MIC 82-S-3

1982 Census of Mineral Industries

MIC82-S-3

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Fuels and Electric Energy Consumed

U.S. Department of Commerce
BUREAU OF THE CENSUS

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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

1982 Census of Mineral Industries

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Fuels and Electric Energy Consumed

Issued October 1985

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
John G. Keane, Director

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INDUSTRY DIVISION
Gaylord E. Worden, Chief

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ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications[1] (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and the agriculture census were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze

[1]**Standard Industrial Classification Manual: 1972.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. **1977 Supplement.** Stock No. 003-005-00176-0.

sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

CENSUS OF MINERAL INDUSTRIES

General

The 1982 Census of Mineral Industries is the 19th census of mining establishments in the United States. For 1982, it was conducted jointly with the censuses of manufactures, construction industries, retail and wholesale trades, service industries, selected transportation activities, and minority-owned and women-owned businesses.

This report, from the 1982 Census of Mineral Industries, is one of a series of 4 subject reports. Reports in this series cover special subjects, such as assets and capital expenditures, fuels and electric energy consumed, water use and a general summary. Twelve separate industry reports have been issued for individual industries or groups of related industries. Additionally, separate reports have been issued for each of nine geographic divisions showing statistics by State.

These reports show comparative figures for industries and States on the more important measures of the activity of mining establishments, such as employment, payrolls, value of shipments and receipts, capital expenditures, value added by mining, selected supplies consumed, and energy used. They include, besides the industry statistics, geographic area statistics (number of establishments, employment, payrolls, value added, cost of supplies, value of shipments and receipts, and capital expenditures) for each State and county, by industry group and statistics on selected subjects. The introduction to the General Summary report of the census of mineral industries discusses at greater length, many of the subjects described in this introduction. For example, the text in the General Summary report discusses the economic significance of the mining sector, the relation of value added by mining to value added by manufacture, some of the changes in statistical concepts over the history of the census, and the valuation problems arising from intracompany transfers between mining establishments, manufacturing plants, and sales offices and sales branches of a company.

Scope of Census and Definition of Mineral Industries

The 1982 Census of Mineral Industries covers all establishments with one paid employee or more primarily engaged in mining as defined in the 1972 Standard Industrial Classification (SIC) Manual[1]. This is the system of industrial classification developed over a period of years by experts on classification in government and private industry under the guidance of the Office of Information and Regulatory Affairs, Office of Management and Budget. This system of classification is in general use among government agencies as well as organizations outside the government.

The SIC manual defines mining in the broad sense to include the extraction of minerals occurring naturally: Solids such as coal and ores, liquids such as crude petroleum, and gases such as natural gas. The term "mining" is used in the broad sense to include quarrying, well operation, milling (crushing, screening, washing, flotation, etc.) and other preparation needed to make minerals marketable. Exploration is included as is the development of mineral properties. Services performed on a contract, fee, or other basis in the exploration and development of mineral properties are classified separately but within this division.

Mining operations are classified by industry on the basis of the principal mineral produced or, if there is no production, on the basis of the principal mineral for which exploration or development work is in progress. The recovery of material from culm banks, ore dumps, and other waste minerals piles is classified in the appropriate mining industry according to the mineral product recovered.

The crushing, grinding, or other treatment of certain earths, rocks, and other nonmetallic minerals not in conjunction with mining activities are not included in this division but are classified as manufacturing. Hauling and other transportation beyond the mine property and contract hauling (except out of open pits in conjunction with mining) also are excluded.

Mining operations carried on as secondary activities at manufacturing establishments (such as clay pits at clay products plants or sand and gravel operations at ready-mixed concrete plants) are not within the scope of this census. However, selected data (production workers' wages and hours; total cost of supplies, fuels, electric energy, and contract work; and quantity of production for mined products) on such mining activities have been obtained in the 1982 Census of Manufactures and are included in the mining reports. They are clearly specified wherever included.

Establishment Basis of Reporting

The census of mineral industries covers each mining establishment of firms with one paid employee or more operating in the United States. A firm operating more than one establishment is required to file a separate report for each location. A mineral establishment is defined as a single physical location where mineral operations are conducted.

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[1]Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

For oil and gas field operations and for contract services, the basis for reporting is different from the "establishment" basis used for other types of mining. Firms operating oil and gas wells, drilling wells, or exploring for oil and gas for their own account were required to submit a separate report for each State or offshore area adjacent to a State in which it conducted such activities and to include employment, production, and capital expenditures data at the county level. Firms that performed contract services for oil and gas field operations or for mining establishments were required to submit one report covering all such activities in the United States and to include information on receipts for services by State and county. These consolidated reports were then allocated to county establishments based on the data reported at the county level. The 1982 figures for establishments include the summation of operations within each county allocated from these State or nationwide reports and, therefore, are not comparable to prior censuses.

Establishments, as presented in this report, are those in operation "during the year." In the General Summary report (MIC82-S-1), a comparison will be made at the U.S. level of the number of establishments in operation "during the year" and at the "end of the year."

Use of Administrative Records

From a mailout universe of about 36,000 mining establishments, approximately 11,000 small single-establishment companies were not mailed a questionnaire. For these establishments, some employment, payroll, and receipts data were obtained from the administrative records of other agencies. Selection of the small establishment nonmail cases was done on an industry-by-industry basis, and a variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. This information was then used in conjunction with industry averages and other information to estimate the statistics for administrative-record and nonresponse establishments. The value of shipments and receipts and cost of supplies were generally not distributed among specific products and supplies for these establishments, but were included in the product and supply "not specified by kind" categories. Overall, establishments for which administrative-record data were used accounted for less than 1 percent of total value of shipments and receipts.

The industry classification codes included in the administrative-record files were used for those establishments excused from filing census forms. Generally, these codes were assigned on the basis of brief descriptions of the general activity of the establishment. Where the description is incomplete, or where there are relatively fine lines of demarcation among industries or between mining and nonmining activities, the code assigned to an establishment could differ from that which would have been assigned on the basis of more complete product or activity information. Therefore, the total establishment count should be viewed as an approximate measure. The counts for establishments with 20 employees or more are far more reliable.

In the 1982 census, as in the 1977, 1972, and 1967 censuses, data for single-unit firms without paid employees were excluded. This exclusion had only a slight effect on industry aggregates for most industries. Data for firms without employees were included in the 1963, 1958, and 1954 censuses if they reported more than $500 in (1) value of shipments and receipts, (2) cost of supplies and purchased machinery, or (3) capital expenditures.

Auxiliaries

Statistics for employment and payroll for individual industries and industry groups also include employment and payroll figures for administrative offices, warehouses, storage facilities, and other auxiliary establishments servicing mining establishments. As in previous censuses, respondents were asked to file separate reports (Form ES-9200) for any separately operated auxiliary establishments. Classification of employment and payroll data at such auxiliary establishments was based on the mining establishments served.

Industry Classification of Establishments

Each of the establishments covered by the census was classified in one of 42 mineral industries in accordance with the industry definitions in the SIC system. Under this system of classification, an industry is generally defined as a group of establishments producing the same main product or closely related group of products. The resulting group of establishments must be significant in terms of its number, value added by mining, value of shipments and receipts, and number of employees. Application of these criteria led to formulation of 42 mining industries, to each of which a four-digit code number was assigned. The classification system also provides broader groups of industries, with twenty three-digit groups and five two-digit groups. Within industries, the system provides for seven-digit products and five-digit product classes. Products are considered primary to an industry if the first four digits of the product codes are the same as the industry code. Products whose first four code numbers differ from the industry code are called secondary products. To determine the industry classification of an establishment, the seven-digit products are grouped together according to the first four digits of the product code. The first four digits of the group of products with the largest value of production become the industry code for the establishment. (For mineral service industries, the classification is on the basis of receipts for services performed.)

CENSUS DISCLOSURE RULES

The Bureau of the Census is prohibited by Federal law from publishing any statistics that disclose information reported by individual companies. However, the number of companies classified in a specific industry is not considered a disclosure, so this item may be given even though other information is withheld.

MICROFICHE

All data in the final reports and volume are available on microfiche. Microfiche reports are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

SPECIAL TABULATIONS

Public-use tapes are not available for 1982 Census of Mineral Industries data. However, special tabulations of data collected may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (such as name, address,

kind of business, or other data for individual business establishments or companies) as are the regular publications. Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief, Industry Division, Bureau of the Census, Washington, D.C. 20233.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

—	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half the unit shown.
n.e.c.	Not elsewhere classified.
n.s.k.	Not specified by kind.
r	Revised.
SIC	Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, and bbl, are used in the customary sense. Where the term "tons" only is used, it refers to short tons of 2,000 pounds; where the figures are expressed in tons of 2,240 pounds, the unit of measure is specified as "long tons" or "l. tons."

Fuels and Electric Energy Consumed

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EXPLANATORY TEXT

This report from the 1982 Census of Mineral Industries presents data on the quantity and cost of fuels and electric energy used in mining. For most industries, separate quantity and cost figures were provided on purchased coal, distillate and residual fuel oil, gas, gasoline and electric energy, and cost figures were obtained for other fuels and undistributed fuels. The cost for other fuels used in the 1982 Census of Mineral Industries consists of costs for liquefied petroleum gas, coke, wood, and other minor fuels. Undistributed fuels include the cost of fuels for those establishments that reported a total cost of fuels but failed to report detailed fuels data. Also included in undistributed fuels are cost estimates for establishments which were not mailed report forms. Figures for stocks of purchased fuels were reported for the first time in 1982. These figures represent the total quantity of unexpended fuel on hand, including emergency reserves, at the end of the year. Excluded are fuels for use as feedstocks or raw materials.

Additional data were obtained on the quantity of fuels produced and consumed at the same establishment for heat or power. Such data were obtained on coal, crude petroleum, and natural gas used at the producing establishment for power and heat. For electric energy, quantity figures were collected for total generated electric energy and electric energy sold.

In 1982, the U.S. consumption of fuels and electric energy for heat and power by mining establishments amounted to 2,009 trillion British thermal units (Btu's). This represented a 16 percent decrease from the 1977 consumption of 2,391 trillion Btu's. Establishments classified in the oil and gas extraction industries, major group 13, were the largest consumers of energy accounting for 75 percent of the total energy used. Establishments located in the State of Texas led in energy consumption with 26 percent of the total energy used in mining in 1982.

Although the hours worked by production, development, and exploration workers in mining increased by 33 percent between 1977 and 1982, the consumption of energy per hour worked decreased by 37 percent. In 1982, the use of energy per hour worked amounted to 1.27 million Btu's; whereas, in 1977 it was 2.02 million Btu's.

Consumption of purchased fuels and electric energy for heat and power by mining establishments amounted to 1,150 trillion British thermal units (Btu's). This represented a 5 percent increase over the 1977 consumption of 1,091 trillion Btu's. Consumption of nonpurchased fuels for heat and power decreased 34 percent from the 1977 figure of 1,299 trillion Btu's.

The average cost per million Btu's of purchased energy consumed in 1982 by the mining industries was $6.48, a 135 percent increase over the 1977 average cost. Although coal was the lowest cost fuel on a dollar per Btu basis, it represented only 7 percent of the total purchased energy consumed by mining industries. Natural gas accounted for 33 percent of the total purchased energy used making it the most widely used fuel. Electric energy was the most expensive source of energy at $13.13 per million Btu's.

In order to provide figures by industry and geographic area on the basis of a comparable unit of energy used, data on fuels consumed were converted to British thermal units (Btu's). A Btu is the quantity of heat required to raise the temperature of one pound of water by 1 degree Fahrenheit. Btu factors reflect the energy content of the various fuels with no regard to efficiency of use. Since some fuel applications are considerably more efficient than others (none 100 percent efficient), the Btu figures must be considered as the maximum amount of available energy. The conversion factors used in computing these Btu's are shown in the following table:

Conversion to British Thermal Units: 1982

Kind of energy		Btu's (millions)
Electric energy	1,000 kWh.	3.412
Coal	short tons	26.194
Crude petroleum	barrels (42 gal).	5.800
Fuel oil:		
Distillate	do.	5.825
Residual	do.	6.287
Natural gas and residue gas	MCF (1,000 cu ft).	1.021
Other fuels	1,000 dol.	137
Gasoline	1,000 gal.	125
Undistributed	1,000 dol.	185

Table 1. **Total Energy Consumed by Major Group: 1982 and Earlier Census Years**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Major group and year	Energy used[1]		Fuels used[3]				Electric energy (million kWh)		
		Total (trillion Btu's)	Per production worker[2] (billion Btu's)	Coal (1,000 short tons)	Fuel oils[4] (1,000 barrels)	Gas (billion cubic feet)	Gasoline (million gallons)	Purchased	Generated less sold	Sold
	All mineral industries:									
	1982	**2 008.6**	**2.6**	**3 236.0**	**74 860.5**	**1 038.9**	**451.1**	**71 292.2**	**6 072.8**	**265.5**
	1977	**2 390.5**	**4.0**	**2 414.4**	**60 095.6**	**1 581.2**	**352.3**	**52 464.5**	**6 891.9**	**385.3**
	1972	**1 991.0**	**4.5**	**1 627.7**	**37 291.2**	**1 380.9**	**222.6**	**41 631.8**	**6 625.6**	**351.3**
	1963	**1 489.1**	**3.1**	**2 650.0**	**18 656.0**	**1 084.1**	**263.1**	**22 516.0**	**5 942.0**	**412.0**
	1958	**1 384.0**	**2.4**	**2 427.0**	**14 995.0**	**996.8**	**(NA)**	**16 394.0**	**4 401.0**	**828.0**
10	Metal mining:									
	1982	105.6	2.3	626.1	(D)	24.1	(D)	11 850.0	1 061.5	(D)
	1977	164.7	2.6	467.8	7 030.7	58.6	20.5	12 488.5	2 565.9	235.9
	1972	171.8	2.7	773.5	4 846.2	75.0	(D)	11 235.9	(D)	218.6
	1963	108.9	1.8	1 204.0	3 909.0	29.9	10.2	5 678.0	2 654.0	339.0
	1958	94.9	1.3	[5]1 106.0	2 628.0	28.4	(NA)	3 876.0	2 227.0	577.0
11	Anthracite mining:									
	1982	2.5	.8	8.8	(D)	-	.9	195.1	-	-
	1977	3.0	1.0	(D)	185.3	-	1.8	199.6	.2	-
	1972	3.5	.9	12.3	210.3	-	1.6	262.5	1.1	-
	1963	9.2	.9	184.0	346.0	(Z)	5.5	376.0	58.0	(D)
	1958	13.2	.7	313.0	286.0	-	(NA)	564.0	68.0	(D)
12	Bituminous coal and lignite mining:									
	1982	148.4	.7	351.8	12 725.5	.8	62.4	14 520.1	(D)	(D)
	1977	126.3	.6	(D)	10 023.2	1.7	61.5	10 135.8	9.5	2.0
	1972	78.6	.6	325.6	4 987.2	.6	27.8	8 013.0	(D)	(Z)
	1963	54.8	.5	706.0	2 216.0	1.0	23.6	5 014.0	47.0	(D)
	1958	51.1	.3	544.0	1 854.0	.5	(NA)	4 353.0	84.0	(D)
13	Oil and gas extraction:									
	1982	1 500.1	3.5	-	52 634.1	912.7	343.5	34 856.8	4 094.3	68.7
	1977	1 773.7	7.7	-	33 117.4	1 382.1	223.4	19 679.0	3 296.1	(D)
	1972	1 430.7	9.3	-	18 870.8	1 163.5	122.9	14 060.3	2 507.9	93.2
	1963	1 123.7	5.9	(NA)	5 498.0	964.2	157.6	6 696.0	2 629.0	42.0
	1958	1 058.9	5.0	(NA)	5 707.0	894.3	(NA)	4 275.0	1 555.0	49.0
14	Nonmetallic minerals, except fuels:									
	1982	252.0	3.1	2 249.2	5 905.3	101.3	(D)	9 870.1	(D)	(D)
	1977	322.8	3.6	1 453.9	9 739.0	138.8	45.1	9 961.6	1 020.2	(D)
	1972	306.4	3.4	516.3	8 376.7	141.8	(D)	8 110.1	795.1	39.6
	1963	192.5	2.0	556.0	6 687.0	89.0	66.1	4 752.0	554.0	(D)
	1958	165.9	1.7	464.0	4 521.0	73.7	(NA)	3 326.0	467.0	(D)

[1]Represents purchased electricity, purchased fuels, and fuels produced and consumed at same establishment for heat and power. Includes fuels for which only total costs were reported and which were not shown in succeeding columns of this table. For conversion factors used to convert to British thermal units, see Explanatory Text.
[2]Represents energy used per production, development, and exploration worker.
[3]Represents purchased fuels and fuels produced and used in same establishment for power or heat.
[4]Represents purchased fuel oil and crude petroleum produced and used as a fuel at same establishment.
[5]Excludes data for Alaska.

Table 2. Purchased Fuels and Electric Energy Consumed by Industry: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry group and industry	All purchased fuels and purchased electric energy		Purchased coal		Purchased fuel oil					
								Distillate		Residual	
		Quantity (trillion Btu's)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)
	All mineral industries	**1 149.6**	**7 441.3**	**3 046.2**	**120.4**	**44 360.5**	**1 800.7**	**35 118.9**	**1 516.5**	**9 241.7**	**284.2**
10	**Metal mining**	**105.6**	**889.5**	**626.1**	**35.2**	**(D)**	**(D)**	**2 884.3**	**120.4**	**(D)**	**(D)**
1011	Iron ores	46.2	367.3	523.5	29.0	(D)	(D)	647.4	27.5	(D)	(D)
1021	Copper ores	33.7	304.5	(D)	(D)	(D)	(D)	1 377.9	56.2	(D)	(D)
1031	Lead and zinc ores	3.2	34.0	-	-	(D)	(D)	96.1	4.1	(D)	(D)
104	Gold and silver ores	5.6	45.9	8.6	.4	(D)	(D)	299.0	13.4	(D)	(D)
1041	Gold ores	3.8	33.4	(D)	(D)	240.1	10.8	240.1	10.8	-	-
1044	Silver ores	1.8	12.5	(D)	(D)	(D)	(D)	58.9	2.6	(D)	(D)
1051	Bauxite and other aluminum ores	.7	4.0	-	-	(D)	(D)	9.5	.4	(D)	(D)
1061	Ferroalloy ores, except vanadium	4.0	32.9	(D)	(D)	(D)	(D)	52.0	2.3	(D)	(D)
1081	Metal mining services	.9	8.9	-	-	51.8	2.2	47.1	2.1	4.6	.1
109	Miscellaneous metal ores	11.2	91.9	(D)	(D)	(D)	(D)	335.1	14.5	(D)	(D)
1094	Uranium-radium-vanadium ores	9.6	78.7	(D)	(D)	390.8	16.6	246.1	10.8	144.7	5.8
1092, 1099	Mercury ores and metallic ores, n.e.c.	1.6	13.2	-	-	(D)	(D)	89.0	3.7	(D)	(D)
11	**Anthracite mining**	**2.3**	**20.8**	**.7**	**(Z)**	**(D)**	**(D)**	**184.8**	**7.8**	**(D)**	**(D)**
111	Anthracite mining	2.3	20.8	.7	(Z)	(D)	(D)	184.8	7.8	(D)	(D)
1111	Anthracite	2.2	20.3	.7	(Z)	(D)	(D)	183.6	7.8	(D)	(D)
1112	Anthracite mining services	.1	.5	-	-	1.3	.1	1.3	.1	-	-
12	**Bituminous coal and lignite mining**	**143.6**	**1 231.1**	**170.1**	**7.7**	**12 725.5**	**532.2**	**11 212.6**	**482.3**	**1 513.0**	**49.9**
121	Bituminous coal and lignite mining	143.6	1 231.1	170.1	7.7	12 725.5	532.2	11 212.6	482.3	1 513.0	49.9
1211	Bituminous coal and lignite	137.9	1 191.1	(D)	(D)	12 232.6	511.2	10 794.2	464.0	1 438.4	47.2
1213	Bituminous coal and lignite mining services	5.7	40.0	(D)	(D)	492.9	21.0	418.3	18.3	74.6	2.8
13	**Oil and gas extraction**	**646.1**	**4 016.7**	**-**	**-**	**22 134.1**	**891.7**	**(D)**	**(D)**	**(D)**	**(D)**
1311	Crude petroleum and natural gas	375.2	2 507.7	-	-	11 912.8	449.9	7 120.6	313.2	4 792.2	136.7
1321	Natural gas liquids	119.9	428.4	-	-	28.9	1.2	(D)	(D)	(D)	(D)
138	Oil and gas field services	151.0	1 080.6	-	-	10 192.4	440.6	9 182.5	402.3	1 009.9	38.3
1381	Drilling oil and gas wells	79.2	542.8	-	-	6 984.0	297.9	6 382.3	275.4	601.7	22.6
1382	Oil and gas field exploration services	13.6	100.7	-	-	(D)	(D)	348.2	16.0	(D)	(D)
1389	Oil and gas field services, n.e.c.	58.2	437.2	-	-	(D)	(D)	2 452.0	110.9	(D)	(D)
14	**Nonmetallic minerals, except fuels**	**252.0**	**1 282.8**	**2 249.2**	**77.4**	**5 905.3**	**229.8**	**(D)**	**(D)**	**(D)**	**(D)**
1411	Dimension stone	.5	4.3	-	-	(D)	(D)	21.3	.8	(D)	(D)
142	Crushed and broken stone, including riprap	33.2	280.9	(D)	(D)	2 404.1	99.6	2 306.4	96.5	97.7	3.1
1422	Crushed and broken limestone	23.5	199.2	30.4	1.1	1 758.9	73.5	1 675.3	70.8	83.5	2.6
1423	Crushed and broken granite	3.4	35.0	-	-	(D)	(D)	349.4	14.7	(D)	(D)
1429	Crushed and broken stone, n.e.c.	6.3	46.7	(D)	(D)	(D)	(D)	281.7	11.0	(D)	(D)
144	Sand and gravel	27.7	224.9	21.6	1.0	1 156.3	47.8	988.9	42.2	169.4	5.6
1442	Construction sand and gravel	18.6	162.3	(Z)	(Z)	960.0	39.9	856.3	36.7	103.7	3.3
1446	Industrial sand	9.2	62.6	21.6	1.0	198.3	7.9	132.6	5.5	65.7	2.4
145	Clay, ceramic, and refractory minerals	34.0	168.4	238.6	10.4	522.8	19.0	414.3	16.0	108.4	2.9
1452	Bentonite	2.9	12.5	(D)	(D)	60.0	2.6	(D)	(D)	(D)	(D)
1453	Fire clay	.8	3.7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1454	Fuller's earth	4.3	21.7	-	-	(D)	(D)	(D)	(D)	(D)	(D)
1455	Kaolin and ball clay	17.7	95.8	(D)	(D)	204.9	7.4	(D)	(D)	(D)	(D)
1459	Clay, ceramic, and refractory minerals, n.e.c.	8.3	34.7	149.7	6.4	184.6	6.7	(D)	(D)	(D)	(D)
147	Chemical and fertilizer mineral mining	146.7	533.3	1 910.0	62.9	1 263.8	42.1	(D)	(D)	(D)	(D)
1472	Barite	.7	6.0	-	-	45.5	1.9	(D)	(D)	(D)	(D)
1473	Flourspar	.5	2.3	-	-	(D)	(D)	(D)	(D)	-	-
1474	Potash, soda, and borate minerals	90.6	241.1	(D)	(D)	237.8	8.6	83.9	3.7	153.8	5.0
1475	Phosphate rock	21.5	161.4	(D)	(D)	887.9	27.9	227.2	9.8	660.6	18.2
1476	Rock salt	2.0	15.3	-	-	47.0	2.0	(D)	(D)	(D)	(D)
1477	Sulfur	30.7	102.4	-	-	30.9	1.0	(D)	(D)	(D)	(D)
1479	Chemical and fertilizer mineral mining, n.e.c.	.8	4.8	-	-	(D)	(D)	(D)	(D)	(D)	(D)
1481	Nonmetallic minerals services	1.1	8.0	-	-	95.6	4.1	89.5	3.9	6.1	.2
149	Miscellaneous nonmetallic minerals	8.8	63.1	(D)	(D)	(D)	(D)	282.2	11.9	(D)	(D)
1492	Gypsum	.2	1.6	-	-	(D)	(D)	17.6	.7	(D)	(D)
1496	Talc, soapstone, and pyrophyllite	.9	7.9	-	-	(D)	(D)	24.2	1.1	(D)	(D)
1499	Miscellaneous nonmetallic minerals, n.e.c.	7.7	53.5	(D)	(D)	385.4	14.2	240.5	10.1	145.0	4.1

[1]Represents cost for establishments that did not report detailed data, including establishments that were not mailed a form.

Purchased gas		Purchased gasoline				Electric energy				
						Purchased				
Quantity (billion cubic feet)	Cost (million dollars)	Quantity (million gallons)	Cost (million dollars)	Cost of other purchased fuels (million dollars)	Cost of undistributed fuels[1] (million dollars)	Quantity (million kWh)	Cost (million dollars)	Generated less sold (million kWh)	Sold (million kWh)	SIC code
375.7	**1 085.6**	**451.1**	**519.7**	**194.2**	**526.6**	**71 292.2**	**3 193.9**	**6 072.8**	**265.5**	
24.1	**91.5**	**(D)**	**(D)**	**6.1**	**(D)**	**11 850.0**	**594.4**	**1 061.5**	**(D)**	**10**
13.0	50.3	1.6	1.8	(D)	2.2	4 088.3	252.2	(D)	-	1011
6.0	22.5	3.5	4.0	.7	.6	4 648.5	209.0	(D)	(D)	1021
(D)	(D)	.2	.3	.3	.1	712.1	28.6	-	-	1031
.7	2.0	1.6	1.9	(D)	1.8	661.9	25.4	50.0	(Z)	104
.4	1.0	1.2	1.5	(D)	1.6	380.6	17.6	48.8	(Z)	1041
.3	1.0	.4	.5	(D)	.1	281.3	7.8	(D)	-	1044
(D)	(D)	(D)	(D)	(D)	-	17.9	.8	-	-	1051
(D)	(D)	.4	.5	(D)	.2	537.0	22.9	18.0	(Z)	1061
(Z)	(Z)	1.8	2.2	(D)	(D)	40.1	3.2	(D)	-	1081
(D)	(D)	2.2	2.6	(D)	3.8	1 144.1	52.4	(D)	-	109
2.6	9.6	2.0	2.4	(D)	2.4	1 016.2	45.9	(D)	-	1094
(D)	(D)	.2	.3	(D)	1.4	127.9	6.5	(D)	-	1092, 1099
-	**-**	**.9**	**1.1**	**(Z)**	**(D)**	**195.1**	**9.5**	**-**	**-**	**11**
-	-	.9	1.1	(Z)	(D)	195.1	9.5	-	-	111
-	-	.9	1.0	(Z)	(D)	189.8	9.2	-	-	1111
-	-	(Z)	(Z)	-	.2	5.3	.3	-	-	1112
.8	**2.8**	**62.4**	**71.6**	**4.0**	**30.6**	**14 520.1**	**582.2**	**(D)**	**(D)**	**12**
.8	2.8	62.4	71.6	4.0	30.6	14 520.1	582.2	(D)	(D)	121
.7	2.8	56.5	64.9	3.5	(D)	14 363.3	578.1	(D)	(D)	1211
(Z)	(Z)	5.9	6.7	.5	(D)	156.8	4.1	(Z)	-	1213
249.5	**630.2**	**343.5**	**396.4**	**167.7**	**405.0**	**34 856.8**	**1 525.7**	**4 094.3**	**68.7**	**13**
141.8	359.9	101.2	117.5	124.5	143.7	30 024.4	1 312.1	1 319.9	46.3	1311
102.5	255.7	6.2	7.4	18.4	2.6	3 319.2	143.2	1 321.1	22.0	1321
5.2	14.6	236.1	271.5	24.8	258.6	1 513.3	70.5	1 453.3	.4	138
(S)	1.7	53.2	63.3	16.0	145.5	413.4	18.3	1 444.0	(Z)	1381
.1	.4	39.0	43.4	.3	(D)	168.8	7.8	.2	-	1382
4.0	12.4	143.9	164.8	8.5	(D)	931.0	44.4	9.1	.4	1389
101.3	**361.1**	**(D)**	**(D)**	**16.4**	**(D)**	**9 870.1**	**482.0**	**(D)**	**(D)**	**14**
(D)	(D)	.2	.3	(Z)	1.2	36.3	2.0	(Z)	-	1411
(D)	(D)	14.6	16.5	3.4	28.3	2 394.1	123.8	3.3	5.4	142
1.1	4.5	11.4	13.0	1.3	20.6	1 719.4	85.3	1.6	(D)	1422
(D)	(D)	1.7	1.8	.1	.9	282.5	17.5	-	-	1423
.5	2.0	1.6	1.8	2.1	6.7	392.2	21.1	1.7	(D)	1429
4.4	17.8	8.0	8.9	7.8	39.0	1 923.5	102.6	13.3	.1	144
.4	1.3	7.1	7.8	1.8	35.7	1 387.3	75.7	13.3	.1	1442
4.0	16.4	.9	1.0	6.0	3.3	536.2	26.9	(Z)	-	1446
19.0	78.0	(D)	(D)	3.1	(D)	1 179.3	52.1	-	-	145
.8	3.0	.3	(D)	(D)	(D)	97.4	3.9	-	-	1452
.5	1.5	(Z)	.1	(D)	.1	17.7	.8	-	-	1453
3.5	14.7	.6	.7	(D)	(Z)	86.2	3.9	-	-	1454
12.1	49.6	(D)	(D)	.1	.1	789.2	34.6	-	-	1455
2.0	9.3	.4	.5	1.3	1.6	188.8	8.9	-	-	1459
72.9	241.4	5.4	6.0	1.3	1.5	3 929.9	178.0	(D)	(D)	147
(D)	(D)	.9	.9	(D)	.2	67.6	2.9	(D)	-	1472
.3	.7	(D)	(D)	(D)	(D)	27.7	1.3	-	-	1473
36.4	117.5	1.7	1.9	(D)	.3	1 192.4	52.9	654.6	(D)	1474
5.1	19.7	1.8	2.1	(D)	(Z)	2 347.7	107.3	-	-	1475
(D)	(D)	(D)	(D)	(D)	.2	164.8	8.4	-	-	1476
29.6	97.6	(D)	(D)	(D)	(D)	82.7	3.5	113.5	-	1477
(D)	(D)	(Z)	(Z)	(D)	(D)	47.1	1.8	-	-	1479
(Z)	.1	.9	1.0	.1	1.9	14.8	.9	(Z)	-	1481
(D)	(D)	1.6	1.8	.7	4.1	392.2	22.6	(D)	(D)	149
-	-	.2	.2	(D)	.3	5.3	.3	(Z)	(D)	1492
(D)	(D)	.1	.2	(D)	.3	69.1	3.9	(D)	-	1496
3.2	15.6	1.2	1.5	(D)	3.5	317.8	18.4	(D)	(D)	1499

Table 3. Purchased Fuels and Electric Energy Consumed by Major Group for Selected States

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

State and SIC code	Geographic area and major group	All purchased fuels and purchased electric energy		Purchased coal		Purchased fuel oil					
								Distillate		Residual	
		Quantity (trillion Btu's)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)
U.S.	**United States**	**1 149.6**	**7 441.3**	**3 046.2**	**120.4**	**44 360.5**	**1 800.7**	**35 118.9**	**1 516.5**	**9 241.7**	**284.2**
Ala.	**Alabama**	**(D)**	**103.3**	**(D)**	**(D)**	**886.9**	**37.6**	**740.6**	**32.4**	**146.4**	**5.2**
12	Bituminous coal and lignite mining	7.8	72.6	(D)	(D)	702.6	29.7	579.4	25.4	123.2	4.4
13	Oil and gas extraction	(D)	16.4	-	-	116.0	5.1	106.8	4.8	7.2	.3
14	Nonmetallic minerals, except fuels	1.9	14.2	(D)	(D)	68.3	2.7	52.3	2.2	16.0	.5
Alaska	**Alaska**	**13.9**	**85.7**	**(D)**	**(Z)**	**(D)**	**(D)**	**576.7**	**29.7**	**(D)**	**(D)**
10	Metal mining	.3	2.9	(Z)	(Z)	42.4	2.0	42.4	2.0	-	-
13	Oil and gas extraction	(D)	80.7	-	-	(D)	(D)	523.0	27.0	(D)	(D)
Ariz.	**Arizona**	**23.6**	**231.2**	**(D)**	**(Z)**	**1 129.7**	**45.4**	**815.8**	**32.9**	**313.9**	**12.5**
10	Metal mining	21.4	214.3	(D)	(Z)	982.1	39.2	(D)	(D)	(D)	(D)
13	Oil and gas extraction	.2	1.6	-	-	1.6	.1	1.6	.1	-	-
Ark.	**Arkansas**	**6.8**	**35.5**	**-**	**-**	**121.3**	**5.5**	**114.3**	**5.2**	**7.0**	**.2**
10	Metal mining	1.2	4.9	-	-	14.0	.6	14.0	.6	-	-
13	Oil and gas extraction	5.1	26.2	-	-	87.8	4.0	80.8	3.7	7.0	.2
14	Nonmetallic minerals, except fuels	.5	4.2	-	-	(D)	(D)	(D)	(D)	-	-
Calif.	**California**	**151.1**	**891.0**	**(D)**	**(D)**	**4 664.3**	**133.4**	**878.8**	**37.3**	**3 785.5**	**96.0**
13	Oil and gas extraction	111.2	703.2	-	-	4 072.6	111.3	548.6	23.4	3 524.0	87.9
14	Nonmetallic minerals, except fuels	38.3	174.6	(D)	(D)	459.0	17.0	247.6	10.5	211.4	6.5
Colo.	**Colorado**	**21.9**	**172.5**	**19.8**	**.7**	**760.8**	**34.4**	**736.8**	**32.8**	**44.0**	**1.6**
10	Metal mining	5.1	40.0	(D)	(D)	(D)	(D)	88.2	3.8	(D)	(D)
12	Bituminous coal and lignite mining	2.8	27.2	-	-	283.2	12.2	274.4	12.0	8.8	.2
13	Oil and gas extraction	12.7	96.3	-	-	348.5	15.8	319.5	14.6	29.0	1.2
14	Nonmetallic minerals, except fuels	1.3	9.1	(D)	(D)	(D)	(D)	54.6	2.5	(D)	(D)
Conn.	**Connecticut**	**.6**	**6.0**	**-**	**-**	**35.4**	**1.4**	**35.4**	**1.4**	**-**	**-**
14	Nonmetallic minerals, except fuels	.6	5.5	-	-	35.4	1.4	35.4	1.4	-	-
Del./D.C.	**Delaware and District of Columbia**	**(Z)**	**.2**	**-**	**-**	**.2**	**(Z)**	**.2**	**(Z)**	**-**	**-**
Fla.	**Florida**	**(D)**	**178.3**	**(D)**	**(D)**	**722.4**	**24.9**	**300.4**	**12.7**	**422.0**	**12.1**
Ga.	**Georgia**	**21.3**	**120.5**	**(D)**	**(D)**	**360.5**	**13.8**	**(D)**	**(D)**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	20.9	118.1	(D)	(D)	303.7	12.0	(D)	(D)	(D)	(D)
Hawaii	**Hawaii**	**.1**	**1.3**	**-**	**-**	**(D)**	**(D)**	**(D)**	**(D)**	**-**	**-**
Idaho	**Idaho**	**4.0**	**20.3**	**(D)**	**(D)**	**113.3**	**5.2**	**106.8**	**5.0**	**6.5**	**.3**
10	Metal mining	1.1	6.3	(D)	(D)	26.9	1.2	(D)	(D)	(D)	(D)
14	Nonmetallic minerals, except fuels	2.9	13.2	(D)	(D)	78.6	3.7	(D)	(D)	(D)	(D)
Ill.	**Illinois**	**(D)**	**178.7**	**(D)**	**(D)**	**1 075.0**	**45.5**	**1 013.5**	**43.3**	**61.5**	**2.2**
12	Bituminous coal and lignite mining	(D)	101.2	-	-	739.2	30.7	(D)	(D)	(D)	(D)
13	Oil and gas extraction	(D)	42.6	-	-	131.8	6.0	(D)	(D)	(D)	(D)
14	Nonmetallic minerals, except fuels	4.7	34.8	(D)	(D)	204.0	8.7	187.2	8.2	16.8	.5
Ind.	**Indiana**	**9.5**	**77.8**	**(D)**	**(D)**	**801.2**	**33.1**	**792.1**	**32.8**	**9.1**	**.3**
12	Bituminous coal and lignite mining	6.5	54.9	-	-	624.3	25.7	624.3	25.7	-	-
13	Oil and gas extraction	.8	6.9	-	-	37.3	1.6	36.0	1.6	1.2	(Z)
14	Nonmetallic minerals, except fuels	2.2	16.0	(D)	(D)	139.6	5.8	131.8	5.5	7.8	.2
Iowa	**Iowa**	**1.8**	**13.7**	**-**	**-**	**168.4**	**7.3**	**168.3**	**7.3**	**.1**	**(Z)**
12	Bituminous coal and lignite mining	.2	1.7	-	-	33.6	1.5	33.6	1.5	-	-
14	Nonmetallic minerals, except fuels	1.5	11.8	-	-	134.6	5.7	134.6	5.7	-	-
Kans.	**Kansas**	**30.4**	**154.4**	**-**	**-**	**653.5**	**25.2**	**601.5**	**23.7**	**52.0**	**1.6**
13	Oil and gas extraction	29.2	144.9	-	-	543.8	20.6	(D)	(D)	(D)	(D)
14	Nonmetallic minerals, except fuels	.9	6.7	-	-	65.0	2.5	(D)	(D)	(D)	(D)
Ky.	**Kentucky**	**32.4**	**252.7**	**11.6**	**.4**	**2 458.0**	**104.9**	**2 245.4**	**97.5**	**212.6**	**7.4**
12	Bituminous coal and lignite mining	(D)	215.5	(D)	(D)	2 284.7	97.7	2 096.0	91.1	188.7	6.6
13	Oil and gas extraction	(D)	21.9	-	-	49.8	2.0	36.7	1.6	13.1	.4
14	Nonmetallic minerals, except fuels	2.0	15.2	(D)	(D)	123.2	5.1	112.3	4.8	10.8	.3

See footnotes at end of table.

and Offshore Areas: 1982

Purchased gas		Purchased gasoline		Cost of other purchased fuels (million dollars)	Cost of undistributed fuels[1] (million dollars)	Electric energy				State and SIC code
						Purchased		Generated less sold (million kWh)	Sold (million kWh)	
Quantity (billion cubic feet)	Cost (million dollars)	Quantity (million gallons)	Cost (million dollars)			Quantity (million kWh)	Cost (million dollars)			
375.7	**1 085.6**	**451.1**	**519.7**	**194.2**	**526.6**	**71 292.2**	**3 193.9**	**6 072.8**	**265.5**	**U.S.**
1.6	**5.5**	**4.2**	**5.2**	**1.4**	**(D)**	**1 054.2**	**48.9**	**39.8**	**(Z)**	**Ala.**
(Z)	(Z)	2.7	3.3	(D)	(D)	831.1	38.2	(D)	(Z)	12
(D)	(D)	1.2	1.5	1.2	(D)	76.1	3.0	37.0	-	13
(D)	(D)	.4	.4	(D)	1.1	146.2	7.7	(D)	-	14
(D)	**(D)**	**10.0**	**14.4**	**21.4**	**(D)**	**85.4**	**4.4**	**393.4**	**(D)**	**Alaska**
(Z)	(Z)	.2	.3	(Z)	.3	5.5	.3	(D)	(Z)	10
(D)	(D)	9.6	13.9	21.4	(D)	68.7	3.2	(D)	(D)	13
4.6	**17.1**	**3.8**	**4.4**	**.6**	**3.0**	**3 229.1**	**160.7**	**(D)**	**(D)**	**Ariz.**
4.6	17.0	2.4	2.7	.5	.4	3 059.8	154.4	(D)	(D)	10
(Z)	(Z)	.3	.4	(Z)	.9	5.2	.2	-	-	13
3.7	**8.6**	**3.9**	**4.5**	**.4**	**3.3**	**366.5**	**13.3**	**(D)**	**(Z)**	**Ark.**
(D)	(D)	.1	.1	(D)	(D)	36.5	1.4	-	-	10
2.7	5.9	3.6	4.2	(D)	(D)	289.5	10.0	(D)	(Z)	13
(Z)	(Z)	.2	.2	-	(D)	(D)	(D)	-	-	14
74.9	**273.1**	**19.7**	**23.8**	**14.0**	**(D)**	**6 665.3**	**397.5**	**530.2**	**154.9**	**Calif.**
58.3	201.0	17.4	21.2	12.1	13.4	5 868.5	344.1	(D)	(D)	13
16.7	72.1	1.8	2.1	1.6	(D)	711.3	48.5	(D)	(D)	14
3.8	**13.8**	**14.8**	**17.1**	**4.1**	**20.4**	**1 969.2**	**82.0**	**(D)**	**(Z)**	**Colo.**
(D)	(D)	.9	1.0	.4	1.5	645.3	26.0	(D)	-	10
(D)	(D)	1.2	1.3	.1	(D)	265.1	13.2	.1	-	12
2.1	6.5	11.5	13.4	3.4	17.4	997.9	39.8	(D)	-	13
.1	.4	1.3	1.4	.1	(D)	60.9	3.0	(D)	(Z)	14
-	**-**	**.2**	**.2**	**-**	**1.4**	**46.8**	**2.9**	**-**	**-**	**Conn.**
-	-	.2	.2	-	1.1	43.9	2.8	-	-	14
-	**-**	**-**	**-**	**-**	**.1**	**1.1**	**(Z)**	**-**	**-**	**Del./D.C.**
5.2	**19.9**	**2.5**	**2.9**	**(D)**	**8.2**	**2 529.0**	**119.3**	**(D)**	**-**	**Fla.**
13.3	**54.8**	**2.2**	**2.6**	**.4**	**(D)**	**973.7**	**44.1**	**(Z)**	**-**	**Ga.**
13.3	54.8	2.1	2.5	.3	(D)	964.3	43.7	(Z)	-	14
-	**-**	**(Z)**	**(Z)**	**-**	**(D)**	**15.3**	**.8**	**(D)**	**-**	**Hawaii**
.9	**3.7**	**.6**	**.8**	**(Z)**	**(D)**	**273.9**	**8.3**	**1.6**	**-**	**Idaho**
.2	.6	.2	.2	(Z)	(D)	179.1	4.1	1.6	-	10
.7	3.1	.3	.3	(Z)	(D)	94.1	4.2	-	-	14
2.0	**6.4**	**9.9**	**11.6**	**2.2**	**(D)**	**2 266.6**	**102.3**	**(D)**	**(Z)**	**Ill.**
(D)	(D)	4.6	5.0	1.1	(D)	1 432.6	63.7	(D)	-	12
(D)	(D)	4.3	5.3	(D)	6.8	541.3	22.4	(Z)	(Z)	13
1.5	5.3	1.1	1.3	(Z)	(D)	292.4	16.3	(D)	(Z)	14
.2	**.7**	**4.5**	**5.3**	**(D)**	**5.0**	**828.8**	**32.9**	**.5**	**-**	**Ind.**
-	-	3.0	3.5	-	1.3	657.4	24.4	-	-	12
(Z)	.1	.8	1.0	.2	1.4	57.0	2.6	(D)	-	13
.2	.6	.7	.8	(D)	2.3	114.2	5.9	(D)	-	14
.2	**.5**	**.7**	**.8**	**(D)**	**(D)**	**72.3**	**3.4**	**4.1**	**-**	**Iowa**
-	-	.1	.1	(Z)	(Z)	7.0	.1	(Z)	-	12
.2	.5	.6	.7	(Z)	1.6	62.5	3.1	4.1	-	14
17.4	**43.5**	**11.6**	**13.8**	**5.1**	**14.1**	**1 198.1**	**52.6**	**32.8**	**(D)**	**Kans.**
17.4	43.5	11.2	13.4	5.1	12.4	1 145.0	49.9	31.8	(D)	13
(Z)	(Z)	.4	.4	(Z)	1.5	41.2	2.1	.8	-	14
3.8	**11.6**	**15.6**	**18.1**	**2.0**	**14.4**	**2 952.6**	**101.3**	**(D)**	**.1**	**Ky.**
(Z)	.2	13.0	15.1	(D)	10.0	2 449.6	91.3	(D)	(D)	12
(D)	(D)	1.8	2.1	.4	(D)	94.0	4.2	(D)	(D)	13
(D)	(D)	.8	.9	(D)	2.4	108.1	5.7	(D)	-	14

Table 3. Purchased Fuels and Electric Energy Consumed by Major Group for Selected States

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

State and SIC code	Geographic area and major group	All purchased fuels and purchased electric energy		Purchased coal		Purchased fuel oil					
								Distillate		Residual	
		Quantity (trillion Btu's)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)
La.	**Louisiana**	**91.9**	**537.4**	**(D)**	**(D)**	**5 326.0**	**223.7**	**4 701.7**	**200.5**	**624.3**	**23.2**
12	Bituminous coal and lignite mining	(Z)	.1	-	-	(Z)	(Z)	(Z)	(Z)	(Z)	-
13	Oil and gas extraction	82.6	496.0	-	-	5 126.6	215.9	4 526.3	193.5	600.3	22.4
Maine	**Maine**	**.1**	**.6**	**-**	**-**	**(D)**	**(D)**	**(D)**	**(D)**	**-**	**-**
14	Nonmetallic minerals, except fuels	.1	.5	-	-	(D)	(D)	(D)	(D)	-	-
Md.	**Maryland**	**(D)**	**16.5**	**-**	**-**	**156.6**	**6.4**	**(D)**	**(D)**	**(D)**	**(D)**
12	Bituminous coal and lignite mining	(D)	6.2	-	-	73.3	2.9	(D)	(D)	(D)	(D)
14	Nonmetallic minerals, except fuels	1.1	10.1	-	-	83.1	3.5	83.1	3.5	-	-
Mass.	**Massachusetts**	**.9**	**6.9**	**-**	**-**	**30.5**	**1.2**	**16.4**	**.7**	**14.2**	**.4**
14	Nonmetallic minerals, except fuels	.8	6.7	-	-	30.5	1.2	16.4	.7	14.2	.4
Mich.	**Michigan**	**22.8**	**162.6**	**(D)**	**(D)**	**417.3**	**16.7**	**400.3**	**16.2**	**17.0**	**.5**
13	Oil and gas extraction	6.3	30.6	-	-	136.3	5.6	136.0	5.5	.3	(Z)
Minn.	**Minnesota**	**31.3**	**245.5**	**391.2**	**22.0**	**(D)**	**(D)**	**450.7**	**19.8**	**(D)**	**(D)**
10	Metal mining	30.2	237.0	391.2	22.0	(D)	(D)	416.3	18.2	(D)	(D)
14	Nonmetallic minerals, except fuels	1.0	7.8	-	-	(D)	(D)	34.2	1.6	(D)	(D)
Miss.	**Mississippi**	**8.2**	**62.8**	**-**	**-**	**338.4**	**15.2**	**308.0**	**13.6**	**30.5**	**1.6**
13	Oil and gas extraction	6.6	52.2	-	-	292.6	13.5	(D)	(D)	(D)	(D)
Mo.	**Missouri**	**(D)**	**53.6**	**(D)**	**(D)**	**536.0**	**20.1**	**360.2**	**14.7**	**175.9**	**5.4**
10	Metal mining	2.6	21.9	-	-	145.7	4.9	(D)	(D)	(D)	(D)
12	Bituminous coal and lignite mining	(D)	12.2	-	-	193.6	8.0	(D)	(D)	(D)	(D)
13	Oil and gas extraction	.1	.8	-	-	1.0	(Z)	(D)	(Z)	(D)	(Z)
14	Nonmetallic minerals, except fuels	2.6	18.7	(D)	(D)	195.8	7.1	146.1	5.7	49.8	1.4
Mont.	**Montana**	**9.9**	**65.9**	**(D)**	**(D)**	**479.8**	**19.5**	**342.7**	**15.2**	**137.1**	**4.3**
10	Metal mining	2.8	13.2	-	-	(D)	(D)	(D)	(D)	.1	(Z)
12	Bituminous coal and lignite mining	1.8	11.1	-	-	(D)	(D)	79.1	3.5	(D)	(D)
13	Oil and gas extraction	4.4	36.6	-	-	174.9	7.9	(D)	(D)	(D)	(D)
14	Nonmetallic minerals, except fuels	.9	5.0	(D)	(D)	44.4	1.6	(D)	(D)	(D)	(D)
Nebr.	**Nebraska**	**(D)**	**14.6**	**-**	**-**	**96.5**	**3.7**	**76.2**	**3.1**	**20.4**	**.6**
13	Oil and gas extraction	(D)	9.6	-	-	62.4	2.2	(D)	(D)	(D)	(D)
Nev.	**Nevada**	**6.5**	**50.8**	**12.5**	**.7**	**368.3**	**15.4**	**320.4**	**14.1**	**47.9**	**1.3**
10	Metal mining	2.9	26.1	(D)	(D)	215.0	9.5	213.9	9.5	1.1	(Z)
13	Oil and gas extraction	.7	5.9	-	-	29.0	1.3	28.9	1.3	(Z)	(Z)
14	Nonmetallic minerals, except fuels	2.9	18.8	(D)	(D)	124.3	4.6	77.6	3.4	46.7	1.2
N.H.	**New Hampshire**	**.2**	**1.8**	**-**	**-**	**12.1**	**.6**	**12.1**	**.6**	**-**	**-**
14	Nonmetallic minerals, except fuels	.2	1.7	-	-	11.5	.5	11.5	.5	-	-
N.J.	**New Jersey**	**2.9**	**22.8**	**-**	**-**	**121.5**	**4.5**	**106.7**	**4.0**	**14.8**	**.5**
13	Oil and gas extraction	.1	.9	-	-	(D)	(D)	(D)	(D)	-	-
14	Nonmetallic minerals, except fuels	2.6	20.3	-	-	110.6	4.0	95.8	3.5	14.8	.5
N. Mex.	**New Mexico**	**37.9**	**256.6**	**-**	**-**	**846.6**	**36.4**	**772.2**	**34.1**	**74.4**	**2.3**
10	Metal mining	5.0	65.1	-	-	(D)	(D)	185.9	7.9	(D)	(D)
12	Bituminous coal and lignite mining	2.0	21.8	-	-	199.0	9.0	199.0	9.0	-	-
13	Oil and gas extraction	24.4	131.6	-	-	401.1	17.2	364.0	16.1	37.0	1.1
14	Nonmetallic minerals, except fuels	6.6	38.1	-	-	(D)	(D)	23.2	1.0	(D)	(D)
N.Y.	**New York**	**(D)**	**36.7**	**6.4**	**.3**	**187.3**	**8.8**	**(D)**	**(D)**	**(D)**	**(D)**
13	Oil and gas extraction	(D)	8.5	-	-	(D)	(D)	(D)	(D)	-	(Z)
14	Nonmetallic minerals, except fuels	2.4	24.0	(D)	(Z)	127.2	5.5	(D)	(D)	(D)	(D)
N.C.	**North Carolina**	**6.6**	**43.3**	**(D)**	**(D)**	**552.8**	**17.7**	**(D)**	**(D)**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	6.5	42.6	(D)	(D)	552.0	17.7	(D)	(D)	(D)	(D)
N. Dak.	**North Dakota**	**8.2**	**61.3**	**(D)**	**(D)**	**568.1**	**24.4**	**493.0**	**22.2**	**75.1**	**2.3**
12	Bituminous coal and lignite mining	1.2	11.1	-	-	(D)	(D)	160.6	7.0	(D)	(D)
13	Oil and gas extraction	6.5	47.7	-	-	383.1	16.5	(D)	(D)	(D)	(D)
Ohio	**Ohio**	**20.1**	**154.4**	**2.8**	**.1**	**1 548.9**	**57.9**	**1 475.4**	**65.1**	**73.5**	**2.7**
12	Bituminous coal and lignite mining	(D)	84.3	(D)	(D)	1 119.7	48.0	1 062.4	45.8	57.2	2.2
13	Oil and gas extraction	(D)	39.0	-	-	269.2	12.9	259.1	12.6	10.1	.3
14	Nonmetallic minerals, except fuels	3.7	30.9	(D)	(D)	159.8	6.8	153.6	6.6	6.1	.2

See footnotes at end of table.

and Offshore Areas: 1982—Con.

Purchased gas		Purchased gasoline		Cost of other purchased fuels (million dollars)	Cost of undistributed fuels[1] (million dollars)	Electric energy				State and SIC code
						Purchased		Generated less sold (million kWh)	Sold (million kWh)	
Quantity (billion cubic feet)	Cost (million dollars)	Quantity (million gallons)	Cost (million dollars)			Quantity (million kWh)	Cost (million dollars)			
33.7	**79.5**	**51.8**	**60.7**	**(D)**	**37.3**	**2 584.9**	**111.5**	**(D)**	**(D)**	**La.**
-	-	(Z)	(Z)	-	(Z)	1.6	.1	-	-	12
27.4	59.9	51.3	60.2	23.3	36.1	2 400.5	102.6	1 361.2	(D)	13
-	**-**	**(Z)**	**(Z)**	**-**	**(D)**	**3.2**	**.2**	**-**	**-**	**Maine**
-	-	(Z)	(Z)	-	(D)	3.1	.2	-	-	14
(Z)	**(Z)**	**(D)**	**(D)**	**(Z)**	**(D)**	**151.4**	**7.6**	**(D)**	**(D)**	**Md.**
-	-	(D)	(D)	-	(D)	(D)	(D)	-	-	12
(Z)	(Z)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	(D)	14
(Z)	**(Z)**	**.1**	**.1**	**(Z)**	**2.6**	**58.0**	**3.1**	**-**	**-**	**Mass.**
(Z)	(Z)	.1	.1	(Z)	2.4	56.7	3.0	-	-	14
7.8	**22.3**	**3.6**	**5.1**	**.1**	**(D)**	**1 645.3**	**101.1**	**(D)**	**(D)**	**Mich.**
3.7	6.9	2.7	4.2	.1	3.7	185.9	10.1	45.3	(D)	13
8.4	**32.1**	**1.4**	**1.6**	**(D)**	**2.4**	**2 538.1**	**163.9**	**(D)**	**(D)**	**Minn.**
8.4	32.1	1.1	1.3	(D)	.2	2 472.7	160.8	(D)	-	10
(Z)	(Z)	.2	.3	(D)	1.8	59.2	2.8	(D)	(D)	14
2.2	**6.3**	**5.4**	**7.0**	**1.5**	**6.5**	**564.7**	**26.3**	**10.4**	**(Z)**	**Miss.**
1.4	3.0	(D)	(D)	(D)	5.3	507.1	23.4	10.4	(Z)	13
.3	**1.2**	**2.9**	**3.3**	**(D)**	**2.9**	**641.3**	**25.2**	**(D)**	**(D)**	**Mo.**
(D)	(D)	.3	.4	(D)	(Z)	447.2	16.0	-	-	10
-	-	(D)	(D)	-	(Z)	(D)	(D)	(D)	-	12
(Z)	(Z)	(D)	(D)	-	.2	(D)	(D)	(Z)	-	13
(D)	(D)	1.5	1.8	(D)	2.7	121.5	5.8	(D)	(D)	14
1.2	**5.6**	**4.7**	**5.3**	**(D)**	**4.6**	**1 171.9**	**29.0**	**(D)**	**(Z)**	**Mont.**
(D)	(D)	.3	.4	.1	.1	(D)	(D)	-	-	10
-	-	(D)	(D)	(D)	(Z)	164.8	3.6	-	-	12
.5	2.0	3.4	4.0	1.6	3.9	453.3	17.2	(D)	(Z)	13
(D)	(D)	(D)	(D)	(Z)	.5	(D)	(D)	-	-	14
(D)	**(D)**	**1.0**	**1.2**	**.3**	**(D)**	**144.0**	**6.1**	**1.5**	**-**	**Nebr.**
(D)	(D)	.7	.9	.3	(D)	93.2	4.1	(D)	-	13
1.6	**6.3**	**2.9**	**3.7**	**1.6**	**2.1**	**395.8**	**19.0**	**33.8**	**-**	**Nev.**
(D)	(D)	1.5	1.8	.5	1.1	270.8	12.5	25.2	-	10
(D)	(D)	1.0	1.5	(D)	.5	28.4	1.5	(D)	-	13
(D)	(D)	.4	.5	(D)	.6	96.5	5.0	(D)	-	14
(Z)	**(Z)**	**.1**	**.1**	**-**	**.5**	**12.6**	**.7**	**-**	**-**	**N.H.**
-	-	(Z)	(Z)	-	.5	12.0	.6	-	-	14
.6	**2.5**	**.6**	**.8**	**(D)**	**(D)**	**195.7**	**10.6**	**-**	**(Z)**	**N.J.**
(Z)	(Z)	.2	.2	(Z)	(D)	(D)	(D)	-	-	13
.6	2.5	.4	.5	(D)	(D)	179.1	9.3	-	(Z)	14
20.5	**56.7**	**12.6**	**15.1**	**6.7**	**6.9**	**2 421.2**	**134.7**	**(D)**	**(Z)**	**N. Mex.**
.8	3.5	.9	1.0	(D)	(D)	828.7	51.7	(D)	-	10
(Z)	(Z)	(D)	(D)	(Z)	(D)	(D)	(D)	(D)	-	12
15.0	38.5	10.8	12.7	6.0	5.9	1 026.2	51.3	225.0	(Z)	13
4.7	14.7	(D)	(D)	(D)	.4	(D)	(D)	(D)	-	14
(D)	**(D)**	**2.0**	**2.3**	**(D)**	**5.9**	**329.8**	**18.2**	**(D)**	**(D)**	**N.Y.**
(Z)	(Z)	.9	1.0	.2	(D)	50.8	2.2	.4	-	13
(D)	(D)	1.0	1.1	(D)	3.2	223.4	13.1	(D)	(D)	14
(D)	**(D)**	**1.1**	**1.3**	**(D)**	**1.4**	**363.2**	**17.1**	**-**	**-**	**N.C.**
(D)	(D)	1.0	1.1	(D)	1.3	359.4	16.9	-	-	14
1.5	**4.5**	**5.5**	**6.5**	**3.9**	**(D)**	**398.0**	**19.0**	**60.1**	**(Z)**	**N. Dak.**
(Z)	(Z)	(D)	(D)	-	.1	59.0	3.4	(D)	-	12
1.5	4.4	(D)	(D)	3.9	(D)	321.0	14.8	(D)	(Z)	13
2.2	**4.5**	**13.7**	**16.1**	**.4**	**13.7**	**1 279.3**	**51.7**	**(D)**	**-**	**Ohio**
(Z)	(Z)	5.5	6.2	(D)	2.3	755.5	27.6	(Z)	-	12
(D)	(D)	6.5	8.0	(D)	8.2	250.3	9.4	(Z)	-	13
(D)	(D)	1.7	1.9	(D)	3.1	271.7	14.8	(D)	-	14

Table 3. Purchased Fuels and Electric Energy Consumed by Major Group for Selected States

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

State and SIC code	Geographic area and major group	All purchased fuels and purchased electric energy		Purchased coal		Purchased fuel oil					
								Distillate		Residual	
		Quantity (trillion Btu's)	Cost (million dollars)	Quantity (1,000 short tons)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)	Quantity (1,000 barrels)	Cost (million dollars)
Okla.	**Oklahoma**	**80.5**	**472.2**	**-**	**-**	**2 746.2**	**115.8**	**2 167.8**	**94.7**	**578.4**	**21.1**
12	Bituminous coal and lignite mining	1.2	10.0	-	-	(D)	(D)	110.5	4.8	(D)	(D)
13	Oil and gas extraction	77.6	449.1	-	-	2 478.5	104.8	1 934.8	84.8	543.6	20.0
14	Nonmetallic minerals, except fuels	1.6	12.7	-	-	(D)	(D)	122.5	5.1	(D)	(D)
Oreg.	**Oregon**	**.8**	**6.5**	**-**	**-**	**45.6**	**1.9**	**(D)**	**(D)**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	.7	5.8	-	-	40.4	1.7	(D)	(D)	(D)	(D)
Pa.	**Pennsylvania**	**31.6**	**270.8**	**5.8**	**.2**	**2 834.5**	**120.8**	**2 529.9**	**109.7**	**304.6**	**11.1**
10	Metal mining	.6	(D)	-	-	(D)	(D)	11.0	.4	(D)	(D)
11	Anthracite mining	(D)	(D)	.7	(Z)	(D)	(D)	184.8	7.8	(D)	(D)
12	Bituminous coal and lignite mining	(D)	185.8	(D)	(D)	2 278.6	97.2	1 991.0	86.7	287.5	10.5
13	Oil and gas extraction	(D)	25.8	-	-	(D)	(D)	130.8	5.7	(D)	(D)
14	Nonmetallic minerals, except fuels	4.1	32.6	(D)	(D)	222.4	9.3	212.2	9.0	10.2	.3
R.I.	**Rhode Island**	**.1**	**.9**	**-**	**-**	**4.4**	**.2**	**4.4**	**.2**	**-**	**-**
S.C.	**South Carolina**	**1.8**	**13.1**	**(D)**	**(Z)**	**(D)**	**(D)**	**64.7**	**2.8**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	1.8	13.1	-	-	(D)	(D)	64.7	2.8	(D)	(D)
S. Dak.	**South Dakota**	**1.9**	**15.7**	**(D)**	**(D)**	**(D)**	**(D)**	**44.8**	**1.9**	**(D)**	**(D)**
13	Oil and gas extraction	.5	5.5	-	-	7.7	.3	7.7	.3	(Z)	(Z)
Tenn.	**Tennessee**	**7.3**	**52.1**	**(D)**	**(D)**	**330.0**	**12.7**	**279.1**	**11.3**	**51.0**	**1.4**
10	Metal mining	.9	11.0	-	-	(D)	(D)	31.4	1.3	(D)	(D)
12	Bituminous coal and lignite mining	1.7	13.1	(D)	(D)	135.4	5.1	89.7	3.9	45.7	1.2
13	Oil and gas extraction	.6	5.1	-	-	(D)	(D)	16.4	.7	(D)	(D)
14	Nonmetallic minerals, except fuels	4.0	22.9	(D)	(D)	(D)	(D)	141.5	5.4	(D)	(D)
Tex.	**Texas**	**231.4**	**1 395.6**	**(D)**	**(D)**	**5 973.4**	**254.6**	**5 216.2**	**224.6**	**757.2**	**30.1**
10	Metal mining	1.2	10.3	-	-	(D)	(D)	(D)	(D)	(D)	(D)
12	Bituminous coal and lignite mining	3.8	26.6	-	-	(D)	(D)	(D)	(D)	(D)	(D)
13	Oil and gas extraction	191.4	1 212.8	-	-	5 120.9	220.0	4 460.3	193.7	660.6	26.4
14	Nonmetallic minerals, except fuels	34.9	145.9	(D)	(D)	313.0	12.3	302.5	11.9	10.5	.4
Utah	**Utah**	**16.3**	**117.8**	**14.7**	**.4**	**614.7**	**25.9**	**573.6**	**24.2**	**41.1**	**1.8**
12	Bituminous coal and lignite mining	(D)	13.5	-	-	(D)	(D)	27.1	1.2	(D)	(D)
13	Oil and gas extraction	5.7	41.2	-	-	(D)	(D)	136.6	6.0	(D)	(D)
Vt.	**Vermont**	**.6**	**6.7**	**-**	**-**	**55.5**	**2.2**	**(D)**	**(D)**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	.6	6.7	-	-	55.0	2.1	(D)	(D)	(D)	(D)
Va.	**Virginia**	**(D)**	**99.1**	**23.9**	**1.0**	**770.0**	**31.8**	**656.6**	**28.6**	**113.4**	**3.2**
12	Bituminous coal and lignite mining	(D)	74.1	(D)	(D)	550.7	22.5	449.5	19.8	101.2	2.7
14	Nonmetallic minerals, except fuels	2.6	22.6	(D)	(D)	207.7	8.5	195.5	8.1	12.3	.4
Wash.	**Washington**	**5.2**	**17.1**	**(D)**	**(D)**	**62.1**	**2.6**	**(D)**	**(D)**	**(D)**	**(D)**
13	Oil and gas extraction	.3	1.5	-	-	3.6	.2	3.6	.2	-	-
14	Nonmetallic minerals, except fuels	1.0	6.4	-	-	(D)	(D)	34.3	1.4	(D)	(D)
W. Va.	**West Virginia**	**27.8**	**237.5**	**(D)**	**(D)**	**1 532.2**	**66.5**	**1 412.1**	**62.8**	**120.0**	**3.7**
12	Bituminous coal and lignite mining	21.5	197.9	(D)	(D)	1 258.3	53.9	1 144.1	50.3	114.3	3.6
13	Oil and gas extraction	5.5	32.3	-	-	(D)	(D)	220.7	10.3	(D)	(D)
14	Nonmetallic minerals, except fuels	.8	6.9	(D)	(Z)	(D)	(D)	45.0	2.0	(D)	(D)
Wis.	**Wisconsin**	**2.1**	**16.5**	**-**	**-**	**129.3**	**5.6**	**(D)**	**(D)**	**(D)**	**(D)**
14	Nonmetallic minerals, except fuels	1.8	13.8	-	-	(D)	(D)	117.4	5.1	(D)	(D)
Wyo.	**Wyoming**	**85.4**	**343.6**	**1 284.2**	**31.5**	**2 034.2**	**82.7**	**1 650.9**	**70.4**	**383.3**	**12.3**
10	Metal mining	4.2	27.8	-	-	220.8	9.4	157.8	6.9	63.0	2.5
12	Bituminous coal and lignite mining	(D)	66.0	.2	(Z)	(D)	(D)	907.3	36.6	(D)	(D)
13	Oil and gas extraction	(D)	161.4	-	-	(D)	(D)	533.7	24.5	(D)	(D)
14	Nonmetallic minerals, except fuels	52.0	88.5	1 284.0	31.5	(D)	(D)	52.1	2.4	(D)	(D)
N.M.A.O.	**North and Mid-Atlantic Offshore**	**1.2**	**12.3**	**-**	**-**	**(D)**	**(D)**	**(D)**	**(D)**	**-**	**-**
S.A.O.	**South Atlantic Offshore**										
N.G.M.O.	**Northern Gulf of Mexico Offshore**	**9.9**	**27.7**	**-**	**-**	**281.2**	**13.3**	**(D)**	**(D)**	**(D)**	**(D)**
P.O.	**Pacific Offshore**	**(D)**	**18.9**	**-**	**-**	**61.6**	**3.0**	**(D)**	**(D)**	**(D)**	**(D)**

Note: Sum of two-digit groups for a State may not equal total, since statistics for some two-digit groups were withheld to avoid disclosing data for individual companies.

[1]Represents cost for establishments that did not report detailed data, including establishments that were not mailed a form.

and Offshore Areas: 1982—Con.

Purchased gas		Purchased gasoline		Cost of other purchased fuels (million dollars)	Cost of undistributed fuels[1] (million dollars)	Electric energy				State and SIC code
						Purchased		Generated less sold (million kWh)	Sold (million kWh)	
Quantity (billion cubic feet)	Cost (million dollars)	Quantity (million gallons)	Cost (million dollars)			Quantity (million kWh)	Cost (million dollars)			
28.5	**58.1**	**40.5**	**45.8**	**14.3**	**83.5**	**3 718.2**	**154.8**	**287.7**	**(D)**	**Okla.**
(Z)	(Z)	1.1	1.2	-	(D)	51.7	2.6	-	-	12
(D)	(D)	38.6	43.8	14.2	(D)	3 564.3	147.2	287.6	(D)	13
(D)	(D)	.8	.8	(Z)	(D)	98.5	4.8	(Z)	-	14
(Z)	**(Z)**	**.5**	**.6**	**(Z)**	**1.7**	**52.2**	**2.3**	**(D)**	**-**	**Oreg.**
(Z)	(Z)	.4	.4	-	1.5	50.2	2.2	(Z)	-	14
.8	**3.5**	**13.0**	**14.9**	**2.4**	**19.2**	**2 492.8**	**109.7**	**(D)**	**(D)**	**Pa.**
-	-	(Z)	(Z)	-	(D)	(D)	(D)	-	-	10
-	-	.9	1.1	(Z)	(D)	195.1	9.5	-	-	11
.2	1.0	7.4	8.2	.2	(D)	1 731.5	78.0	(D)	(Z)	12
.2	.5	3.3	4.1	2.0	(D)	(D)	(D)	(D)	(Z)	13
.4	2.0	1.4	1.5	.3	(D)	325.8	14.1	-	(D)	14
(Z)	**(Z)**	**(Z)**	**(Z)**	**-**	**.2**	**8.4**	**.4**	**-**	**-**	**R.I.**
.7	**2.6**	**.3**	**.4**	**(D)**	**.7**	**116.5**	**5.9**	**-**	**-**	**S.C.**
.7	2.6	.3	.4	(D)	.6	116.2	5.8	-	-	14
.5	**1.7**	**.5**	**.6**	**.3**	**.6**	**255.7**	**10.6**	**(D)**	**-**	**S. Dak.**
(Z)	.1	.2	.3	(D)	.1	(D)	(D)	(D)	-	13
.5	**2.2**	**2.4**	**2.8**	**1.0**	**(D)**	**682.2**	**27.1**	**(D)**	**(D)**	**Tenn.**
(Z)	(D)	.1	.2	-	(Z)	206.4	9.3	-	-	10
(Z)	(Z)	.6	.7	(D)	(D)	131.6	5.7	-	-	12
(Z)	(D)	.9	1.0	.9	(D)	34.2	1.4	(Z)	-	13
.5	2.0	.8	1.0	(D)	2.0	310.1	10.6	(D)	(D)	14
91.0	**227.7**	**118.6**	**132.1**	**54.1**	**(D)**	**14 386.5**	**559.5**	**1 265.7**	**44.0**	**Tex.**
(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	(D)	(Z)	10
-	-	(D)	(D)	-	(Z)	(D)	(D)	-	-	12
64.1	136.9	111.5	126.6	51.8	156.9	13 427.7	520.6	1 177.7	44.0	13
(D)	(D)	3.8	4.0	2.4	(D)	521.7	27.0	(D)	-	14
3.9	**10.6**	**6.1**	**6.3**	**3.2**	**5.3**	**1 735.4**	**64.0**	**(D)**	**(Z)**	**Utah**
(Z)	(Z)	.6	.7	(D)	.2	265.2	11.0	-	-	12
1.4	3.8	5.7	5.6	(D)	4.2	394.4	17.3	35.5	(Z)	13
-	**(Z)**	**(Z)**	**.1**	**(Z)**	**.3**	**76.5**	**4.3**	**(D)**	**-**	**Vt.**
-	(Z)	(Z)	(Z)	(Z)	.2	76.4	4.2	(D)	-	14
(D)	**(D)**	**3.5**	**4.1**	**2.8**	**(D)**	**1 224.2**	**55.3**	**.4**	**(Z)**	**Va.**
(Z)	(Z)	2.5	3.0	(D)	3.1	1 056.3	45.1	(D)	(Z)	12
(D)	(D)	.9	1.0	(D)	.9	158.0	9.7	-	(Z)	14
(D)	**(D)**	**.8**	**.9**	**(Z)**	**2.6**	**173.9**	**3.7**	**(D)**	**-**	**Wash.**
(Z)	(Z)	.3	.3	-	(D)	(D)	(D)	-	-	13
(D)	(D)	.1	.1	(Z)	1.4	50.6	1.6	(D)	-	14
2.9	**9.8**	**14.3**	**16.2**	**2.0**	**(D)**	**3 395.9**	**132.5**	**4.4**	**(D)**	**W. Va.**
(D)	(D)	8.7	10.4	(D)	5.4	3 246.5	125.6	(D)	(D)	12
(D)	(D)	5.4	5.6	(D)	3.3	92.6	4.2	(D)	(Z)	13
(D)	(D)	.2	.2	.9	(D)	55.4	2.6	-	-	14
.4	**1.9**	**1.1**	**1.2**	**.1**	**2.2**	**116.6**	**5.5**	**(D)**	**-**	**Wis.**
(D)	(D)	1.0	1.1	(Z)	2.1	80.5	4.2	(D)	-	14
19.9	**55.4**	**33.2**	**33.0**	**9.3**	**14.8**	**3 316.0**	**116.9**	**328.5**	**(Z)**	**Wyo.**
(D)	(D)	1.0	1.2	(D)	(D)	287.0	9.0	(D)	-	10
(D)	(D)	6.1	6.6	(D)	.2	490.0	18.4	-	-	12
2.8	10.1	25.7	24.8	8.1	(D)	1 993.5	75.4	(D)	(Z)	13
15.5	38.2	.5	.6	(D)	1.4	545.4	14.1	(D)	-	14
(Z)	**(Z)**	**(D)**	**(D)**	**(D)**	**(Z)**	**(D)**	**(D)**	**(D)**	**-**	**N.M.A.O.** / **S.A.O.**
7.4	**8.8**	**(D)**	**(D)**	**(D)**	**.2**	**39.7**	**1.7**	**(D)**	**-**	**H.G.M.O.**
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**-**	**152.7**	**11.5**	**(D)**	**-**	**P.O.**

Table 4. Total Energy Consumed by Industry: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry group and industry	Total energy used (trillion Btu's)	Energy produced and consumed at same establishment for power or heat: Total (trillion Btu's)	Coal (1,000 short tons)	Crude petroleum (1,000 barrels)	Gas (billion cubic feet)	Purchased fuels and electricity used (trillion Btu's)	Selected purchased fuels used: Coal (1,000 short tons)	Fuel oil (1,000 barrels)	Gas (billion cubic feet)	Gasoline (million gallons)
	All mineral industries	**2 008.6**	**859.0**	**189.8**	**30 500.0**	**663.2**	**1 149.6**	**3 045.2**	**44 380.6**	**375.7**	**451.1**
10	**Metal mining**	**105.8**	-	-	-	-	**105.8**	**825.1**	**(D)**	**24.1**	**(D)**
1011	Iron ores	46.2	-	-	-	-	46.2	523.5	(D)	13.0	1.6
1021	Copper ores	33.7	-	-	-	-	33.7	(D)	(D)	6.0	3.5
1031	Lead and zinc ores	3.2	-	-	-	-	3.2	-	(D)	(D)	.2
104	Gold and silver ores	5.6	-	-	-	-	5.6	8.6	(D)	.7	1.6
1041	Gold ores	3.8	-	-	-	-	3.8	(D)	240.1	.4	1.2
1044	Silver ores	1.8	-	-	-	-	1.8	(D)	(D)	.3	.4
1051	Bauxite and other aluminum ores	.7	-	-	-	-	.7	-	(D)	(D)	(D)
1061	Ferroalloy ores, except vanadium	4.0	-	-	-	-	4.0	(D)	(D)	(D)	.4
1081	Metal mining services	.9	-	-	-	-	.9	-	51.8	(Z)	1.8
109	Miscellaneous metal ores	11.2	-	-	-	-	11.2	(D)	(D)	(D)	2.2
1094	Uranium-radium-vanadium ores	9.6	-	-	-	-	9.6	(D)	390.8	2.6	2.0
1092, 1099	Mercury ores and metallic ores, n.e.c.	1.6	-	-	-	-	1.6	-	(D)	(D)	.2
11	**Anthracite mining**	**2.5**	**.2**	**8.1**	-	-	**2.3**	**.7**	**(D)**	-	**.9**
111	Anthracite mining	2.5	.2	8.1	-	-	2.3	.7	(D)	-	.9
1111	Anthracite	2.5	.2	8.1	-	-	2.2	.7	(D)	-	.9
1112	Anthracite mining services	.1	-	-	-	-	.1	-	1.3	-	(Z)
12	**Bituminous coal and lignite mining**	**148.4**	**4.8**	**181.7**	-	-	**143.6**	**170.1**	**12 725.5**	**.8**	**62.4**
121	Bituminous coal and lignite mining	148.4	4.8	181.7	-	-	143.6	170.1	12 725.5	.8	62.4
1211	Bituminous coal and lignite	142.6	4.8	181.7	-	-	137.9	(D)	12 232.6	.7	58.5
1213	Bituminous coal and lignite mining services	5.7	-	-	-	-	5.7	(D)	492.9	(Z)	5.9
13	**Oil and gas extraction**	**1 500.1**	**854.0**	-	**30 500.0**	**663.2**	**646.1**	-	**22 134.1**	**249.5**	**343.5**
1311	Crude petroleum and natural gas	845.7	470.5	-	30 474.0	267.7	375.2	-	11 912.8	141.8	101.2
1321	Natural gas liquids	492.1	372.2	-	-	364.6	119.9	-	28.9	102.5	6.2
138	Oil and gas field services	162.3	11.2	-	26.0	10.8	151.0	-	10 192.4	5.2	236.1
1381	Drilling oil and gas wells	90.5	11.2	-	26.0	10.8	79.2	-	6 984.0	(S)	53.2
1382	Oil and gas field exploration services	13.6	-	-	-	-	13.6	-	(D)	.1	39.0
1389	Oil and gas field services, n.e.c.	58.2	-	-	-	-	58.2	-	(D)	4.0	143.9
14	**Nonmetallic minerals, except fuels**	**252.0**	-	-	-	-	**252.0**	**2 249.2**	**5 905.3**	**101.3**	**(D)**
1411	Dimension stone	.5	-	-	-	-	.5	-	(D)	(D)	.2
142	Crushed and broken stone, including riprap	33.2	-	-	-	-	33.2	(D)	2 404.1	(D)	14.6
1422	Crushed and broken limestone	23.5	-	-	-	-	23.5	30.4	1 758.9	1.1	11.4
1423	Crushed and broken granite	3.4	-	-	-	-	3.4	-	(D)	(D)	1.7
1429	Crushed and broken stone, n.e.c.	6.3	-	-	-	-	6.3	(D)	(D)	.5	1.6
144	Sand and gravel	27.7	-	-	-	-	27.7	21.6	1 158.3	4.4	8.0
1442	Construction sand and gravel	18.6	-	-	-	-	18.6	(Z)	960.0	.4	7.1
1446	Industrial sand	9.2	-	-	-	-	9.2	21.6	198.3	4.0	.9
145	Clay, ceramic, and refractory minerals	34.0	-	-	-	-	34.0	238.6	522.8	19.0	(D)
1452	Bentonite	2.9	-	-	-	-	2.9	(D)	60.0	.8	.3
1453	Fire clay	.8	-	-	-	-	.8	(D)	(D)	.5	(Z)
1454	Fuller's earth	4.3	-	-	-	-	4.3	-	(D)	3.5	.6
1455	Kaolin and ball clay	17.7	-	-	-	-	17.7	(D)	204.9	12.1	(D)
1459	Clay, ceramic, and refractory minerals, n.e.c.	8.3	-	-	-	-	8.3	149.7	184.6	2.0	.4
147	Chemical and fertilizer mineral mining	146.7	-	-	-	-	146.7	1 910.0	1 283.8	72.9	5.4
1472	Barite	.7	-	-	-	-	.7	-	45.5	(D)	.9
1473	Flourspar	.5	-	-	-	-	.5	-	(D)	.3	(D)
1474	Potash, soda, and borate minerals	90.6	-	-	-	-	90.6	(D)	237.8	36.4	1.7
1475	Phosphate rock	21.5	-	-	-	-	21.5	(D)	887.9	5.1	1.8
1476	Rock salt	2.0	-	-	-	-	2.0	-	47.0	(D)	(D)
1477	Sulfur	30.7	-	-	-	-	30.7	-	30.9	29.6	(D)
1479	Chemical and fertilizer mineral mining, n.e.c.	.8	-	-	-	-	.8	-	(D)	(D)	(Z)
1481	Nonmetallic minerals services	1.1	-	-	-	-	1.1	-	95.8	(Z)	.9
149	Miscellaneous nonmetallic minerals	8.8	-	-	-	-	8.8	(D)	(D)	(D)	1.8
1492	Gypsum	.2	-	-	-	-	.2	-	(D)	-	.2
1496	Talc, soapstone, and pyrophyllite	.9	-	-	-	-	.9	-	(D)	(D)	.1
1499	Miscellaneous nonmetallic minerals, n.e.c.	7.7	-	-	-	-	7.7	(D)	385.4	3.2	1.2

Table 5. Total Energy Consumed by Major Group for Selected States and Offshore Areas: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Total energy used (trillion Btu's)	Energy produced and consumed at same establishment for power or heat: Total (trillion Btu's)	Coal (1,000 short tons)	Crude petroleum (1,000 barrels)	Gas (billion cubic feet)	Purchased fuels and electricity used (trillion Btu's)	Selected purchased fuels used: Coal (1,000 short tons)	Fuel oil (1,000 barrels)	Gas (billion cubic feet)	Gasoline (million gallons)
	United States	**2 008.6**	**859.0**	**189.8**	**30 500.0**	**663.2**	**1 149.6**	**3 046.2**	**44 360.5**	**375.7**	**651.1**
	Alabama	**18.0**	**(D)**	**-**	**-**	**(D)**	**(D)**	**(D)**	**896.9**	**1.6**	**4.2**
12	Bituminous coal and lignite mining	7.8	-	-	-	-	7.8	(D)	702.8	(Z)	2.7
13	Oil and gas extraction	8.3	(D)	-	-	(D)	(D)	-	116.0	(D)	1.2
14	Nonmetallic minerals, except fuels	1.9	-	-	-	-	1.9	(D)	68.3	(D)	.4
	Alaska	**40.2**	**26.4**	**(D)**	**-**	**(D)**	**13.9**	**(D)**	**(D)**	**(D)**	**10.0**
10	Metal mining	.3	-	-	-	-	.3	(Z)	42.4	(Z)	.2
13	Oil and gas extraction	39.6	(D)	-	-	(D)	(D)	-	(D)	(D)	9.6
	Arizona	**23.6**	**(Z)**	**-**	**-**	**(Z)**	**23.6**	**(D)**	**1 129.7**	**4.6**	**3.8**
10	Metal mining	21.4	-	-	-	-	21.4	(D)	982.1	4.6	2.4
13	Oil and gas extraction	.3	(Z)	-	-	(Z)	.2	-	1.6	(Z)	.3
	Arkansas	**7.7**	**.9**	**-**	**-**	**.9**	**6.8**	**-**	**121.3**	**3.7**	**3.9**
10	Metal mining	1.2	-	-	-	-	1.2	-	14.0	(D)	.1
13	Oil and gas extraction	6.0	.9	-	-	.9	5.1	-	87.8	2.7	3.6
14	Nonmetallic minerals, except fuels	.5	-	-	-	-	.5	-	(D)	(Z)	.2
	California	**350.6**	**199.4**	**-**	**26 051.0**	**47.3**	**151.1**	**(D)**	**4 864.3**	**74.9**	**19.7**
13	Oil and gas extraction	310.6	199.4	-	26 051.0	47.3	111.2	-	4 072.6	56.3	17.4
14	Nonmetallic minerals, except fuels	38.3	-	-	-	-	38.3	(D)	459.0	18.7	1.8
	Colorado	**29.5**	**7.6**	**(D)**	**-**	**7.4**	**21.9**	**19.6**	**790.8**	**3.8**	**14.8**
10	Metal mining	5.1	-	-	-	-	5.1	(D)	(D)	(D)	.9
12	Bituminous coal and lignite mining	2.8	(Z)	(D)	-	-	2.8	-	283.2	(D)	1.2
13	Oil and gas extraction	20.3	7.6	-	-	7.4	12.7	-	348.5	2.1	11.5
14	Nonmetallic minerals, except fuels	1.3	-	-	-	-	1.3	(D)	(D)	.1	1.3
	Connecticut	**.6**	**-**	**-**	**-**	**-**	**.6**	**-**	**35.4**	**-**	**.2**
14	Nonmetallic minerals, except fuels	.6	-	-	-	-	.6	-	35.4	-	.2
	Delaware and District of Columbia	**(Z)**	**-**	**-**	**-**	**-**	**(Z)**	**-**	**.2**	**-**	**-**
	Florida	**23.5**	**(D)**	**-**	**-**	**(D)**	**(D)**	**(D)**	**722.4**	**5.2**	**2.5**
	Georgia	**21.3**	**-**	**-**	**-**	**-**	**21.3**	**(D)**	**360.5**	**13.3**	**2.2**
14	Nonmetallic minerals, except fuels	20.9	-	-	-	-	20.9	(D)	303.7	13.3	2.1
	Hawaii	**.1**	**-**	**-**	**-**	**-**	**.1**	**-**	**(D)**	**-**	**(Z)**
	Idaho	**4.0**	**-**	**-**	**-**	**-**	**4.0**	**(D)**	**113.3**	**.9**	**.8**
10	Metal mining	1.1	-	-	-	-	1.1	(D)	26.9	.2	.2
14	Nonmetallic minerals, except fuels	2.9	-	-	-	-	2.9	(D)	78.6	.7	.3
	Illinois	**20.3**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**1 075.0**	**2.0**	**9.9**
12	Bituminous coal and lignite mining	10.2	(D)	(D)	-	-	(D)	-	739.2	(D)	4.6
13	Oil and gas extraction	5.4	(D)	-	(D)	(D)	(D)	-	131.8	(D)	4.3
14	Nonmetallic minerals, except fuels	4.7	-	-	-	-	4.7	(D)	204.0	1.5	1.1
	Indiana	**9.5**	**(Z)**	**-**	**-**	**(Z)**	**9.5**	**(D)**	**801.2**	**.2**	**4.6**
12	Bituminous coal and lignite mining	6.5	-	-	-	-	6.5	-	624.3	-	3.0
13	Oil and gas extraction	.8	(Z)	-	-	(Z)	.8	-	37.3	(Z)	.8
14	Nonmetallic minerals, except fuels	2.2	-	-	-	-	2.2	(D)	139.6	.2	.7
	Iowa	**1.8**	**(Z)**	**(D)**	**-**	**-**	**1.8**	**-**	**168.4**	**.2**	**.7**
12	Bituminous coal and lignite mining	.2	(Z)	(D)	-	-	.2	-	33.6	-	.1
14	Nonmetallic minerals, except fuels	1.5	-	-	-	-	1.5	-	134.8	.2	.6
	Kansas	**46.4**	**16.0**	**-**	**(D)**	**(D)**	**30.4**	**-**	**653.5**	**17.4**	**11.6**
12	Bituminous coal and lignite mining	.3	-	-	-	-	.3	-	44.8	-	(Z)
13	Oil and gas extraction	45.2	16.0	-	(D)	(D)	29.2	-	543.8	17.4	11.2
14	Nonmetallic minerals, except fuels	.9	-	-	-	-	.9	-	65.0	(Z)	.4
	Kentucky	**33.9**	**1.6**	**(D)**	**-**	**(D)**	**32.4**	**11.6**	**2 458.0**	**3.6**	**15.6**
12	Bituminous coal and lignite mining	25.9	(D)	(D)	-	-	(D)	(D)	2 284.7	(Z)	13.0
13	Oil and gas extraction	6.0	(D)	-	-	(D)	(D)	-	49.6	(D)	1.8
14	Nonmetallic minerals, except fuels	2.0	-	-	-	-	2.0	(D)	123.2	(D)	.8

See footnotes at end of table.

Table 5. Total Energy Consumed by Major Group for Selected States and Offshore Areas: 1982—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Total energy used (trillion Btu's)	Energy produced and consumed at same establishment for power or heat: Total (trillion Btu's)	Coal (1,000 short tons)	Crude petroleum (1,000 barrels)	Gas (billion cubic feet)	Purchased fuels and electricity used (trillion Btu's)	Selected purchased fuels used: Coal (1,000 short tons)	Fuel oil (1,000 barrels)	Gas (billion cubic feet)	Gasoline (million gallons)
	Louisiana	**226.6**	**134.8**	**-**	**232.0**	**130.7**	**91.9**	**(D)**	**5 326.0**	**33.7**	**51.3**
13	Oil and gas extraction	217.4	134.8	-	232.0	130.7	82.6	-	5 126.6	27.4	51.3
	Maine	**.1**	**-**	**-**	**-**	**-**	**.1**	**-**	**(D)**	**-**	**(Z)**
14	Nonmetallic minerals, except fuels	.1	-	-	-	-	.1	-	(D)	-	(Z)
	Maryland	**2.4**	**(D)**	**(D)**	**-**	**-**	**(D)**	**-**	**158.6**	**(Z)**	**(D)**
12	Bituminous coal and lignite mining	1.2	(D)	(D)	-	-	(D)	-	73.3	-	(D)
14	Nonmetallic minerals, except fuels	1.1	-	-	-	-	1.1	-	83.1	(Z)	(D)
	Massachusetts	**.9**	**-**	**-**	**-**	**-**	**.9**	**-**	**30.5**	**(Z)**	**.1**
14	Nonmetallic minerals, except fuels	.8	-	-	-	-	.8	-	30.5	(Z)	.1
	Michigan	**29.5**	**6.7**	**-**	**-**	**6.6**	**22.8**	**(D)**	**417.3**	**7.8**	**3.8**
13	Oil and gas extraction	13.0	6.7	-	-	6.6	6.3	-	136.3	3.7	2.7
	Minnesota	**31.3**	**-**	**-**	**-**	**-**	**31.3**	**391.2**	**(D)**	**8.4**	**1.4**
10	Metal mining	30.2	-	-	-	-	30.2	391.2	(D)	8.4	1.1
14	Nonmetallic minerals, except fuels	1.0	-	-	-	-	1.0	-	(D)	(Z)	.2
	Mississippi	**10.4**	**2.2**	**-**	**-**	**2.1**	**8.2**	**-**	**338.4**	**2.2**	**5.4**
13	Oil and gas extraction	8.7	2.2	-	-	2.1	6.6	-	292.6	1.4	(D)
	Missouri	**7.1**	**(D)**	**(D)**	**-**	**-**	**(D)**	**(D)**	**536.0**	**.3**	**2.9**
10	Metal mining	2.6	-	-	-	-	2.6	-	145.7	(D)	.3
12	Bituminous coal and lignite mining	1.8	(D)	(D)	-	-	(D)	-	193.6	-	(D)
13	Oil and gas extraction	.1	-	-	-	-	.1	-	1.0	(Z)	(D)
14	Nonmetallic minerals, except fuels	2.6	-	-	-	-	2.6	(D)	195.8	(D)	1.5
	Montana	**11.1**	**1.2**	**-**	**-**	**1.1**	**9.9**	**(D)**	**479.8**	**1.2**	**4.7**
10	Metal mining	2.8	-	-	-	-	2.8	-	(D)	(D)	.3
12	Bituminous coal and lignite mining	1.8	-	-	-	-	1.8	-	(D)	-	(D)
13	Oil and gas extraction	5.6	1.2	-	-	1.1	4.4	-	174.9	.5	3.4
14	Nonmetallic minerals, except fuels	.9	-	-	-	-	.9	(D)	44.4	(D)	(D)
	Nebraska	**2.6**	**(D)**	**-**	**-**	**(D)**	**(D)**	**-**	**96.5**	**(D)**	**1.0**
13	Oil and gas extraction	1.9	(D)	-	-	(D)	(D)	-	62.4	(D)	.7
	Nevada	**6.5**	**-**	**-**	**-**	**-**	**6.5**	**12.5**	**368.3**	**1.6**	**2.9**
10	Metal mining	2.9	-	-	-	-	2.9	(D)	215.0	(D)	1.5
13	Oil and gas extraction	.7	-	-	-	-	.7	-	29.0	(D)	1.0
14	Nonmetallic minerals, except fuels	2.9	-	-	-	-	2.9	(D)	124.3	(D)	.4
	New Hampshire	**.2**	**-**	**-**	**-**	**-**	**.2**	**-**	**12.1**	**(Z)**	**.1**
14	Nonmetallic minerals, except fuels	.2	-	-	-	-	.2	-	11.5	-	(Z)
	New Jersey	**2.9**	**-**	**-**	**-**	**-**	**2.9**	**-**	**121.5**	**.6**	**.8**
13	Oil and gas extraction	.1	-	-	-	-	.1	-	(D)	(Z)	.2
14	Nonmetallic minerals, except fuels	2.6	-	-	-	-	2.6	-	110.6	.6	.4
	New Mexico	**86.6**	**48.7**	**-**	**(D)**	**(D)**	**37.9**	**-**	**848.6**	**20.5**	**12.8**
10	Metal mining	5.0	-	-	-	-	5.0	-	(D)	.8	.9
12	Bituminous coal and lignite mining	2.0	-	-	-	-	2.0	-	199.0	(Z)	(D)
13	Oil and gas extraction	73.1	48.7	-	(D)	(D)	24.4	-	401.1	15.0	10.8
14	Nonmetallic minerals, except fuels	6.6	-	-	-	-	6.6	-	(D)	4.7	(D)
	New York	**4.0**	**(D)**	**-**	**-**	**(D)**	**(D)**	**6.4**	**187.3**	**(D)**	**2.0**
13	Oil and gas extraction	1.1	(D)	-	-	(D)	(D)	-	(D)	(Z)	.9
14	Nonmetallic minerals, except fuels	2.4	-	-	-	-	2.4	(D)	127.2	(D)	1.0
	North Carolina	**6.6**	**-**	**-**	**-**	**-**	**6.6**	**(D)**	**552.8**	**(D)**	**1.1**
13	Oil and gas extraction	.1	-	-	-	-	.1	-	.8	(Z)	.1
14	Nonmetallic minerals, except fuels	6.5	-	-	-	-	6.5	(D)	552.0	(D)	1.0
	North Dakota	**12.5**	**4.3**	**(D)**	**(D)**	**(D)**	**8.2**	**(D)**	**568.1**	**1.5**	**5.5**
12	Bituminous coal and lignite mining	1.2	(Z)	(D)	-	-	1.2	-	(D)	(Z)	(D)
13	Oil and gas extraction	10.7	4.3	-	(D)	(D)	6.5	-	383.1	1.5	(D)
	Ohio	**30.8**	**10.8**	**(D)**	**-**	**(D)**	**20.1**	**2.8**	**1 548.9**	**2.2**	**13.7**
12	Bituminous coal and lignite mining	10.7	(D)	(D)	-	-	(D)	(D)	1 119.7	(Z)	5.5
13	Oil and gas extraction	16.4	(D)	-	-	(D)	(D)	-	269.2	(D)	6.5
14	Nonmetallic minerals, except fuels	3.7	-	-	-	-	3.7	(D)	159.8	(D)	1.7

See footnotes at end of table.

Table 5. Total Energy Consumed by Major Group for Selected States and Offshore Areas: 1982—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Total energy used (trillion Btu's)	Energy produced and consumed at same establishment for power or heat: Total (trillion Btu's)	Coal (1,000 short tons)	Crude petroleum (1,000 barrels)	Gas (billion cubic feet)	Purchased fuels and electricity used (trillion Btu's)	Selected purchased fuels used: Coal (1,000 short tons)	Fuel oil (1,000 barrels)	Gas (billion cubic feet)	Gasoline (million gallons)
	Oklahoma	**130.5**	**50.1**	**-**	**(D)**	**(D)**	**80.5**	**-**	**2 748.2**	**28.5**	**40.5**
12	Bituminous coal and lignite mining	1.2	-	-	-	-	1.2	-	(D)	(Z)	1.1
13	Oil and gas extraction	127.6	50.1	-	(D)	(D)	77.6	-	2 478.5	(D)	38.6
14	Nonmetallic minerals, except fuels	1.6	-	-	-	-	1.6	-	(D)	(D)	.8
	Oregon	**.8**	**-**	**-**	**-**	**-**	**.8**	**-**	**45.6**	**(Z)**	**.5**
14	Nonmetallic minerals, except fuels	.7	-	-	-	-	.7	-	40.4	(Z)	.4
	Pennsylvania	**32.4**	**.7**	**(D)**	**-**	**(D)**	**31.6**	**5.8**	**2 834.5**	**.8**	**13.0**
10	Metal mining	.6	-	-	-	-	.6	-	(D)	-	(Z)
11	Anthracite mining	2.5	(D)	(D)	-	-	(D)	.7	(D)	-	.9
12	Bituminous coal and lignite mining	21.5	(D)	(D)	-	-	(D)	(D)	2 278.6	.2	7.4
13	Oil and gas extraction	3.7	(D)	-	-	(D)	(D)	-	(D)	.2	3.3
14	Nonmetallic minerals, except fuels	4.1	-	-	-	-	4.1	(D)	222.4	.4	1.4
	Rhode Island	**.1**	**-**	**-**	**-**	**-**	**.1**	**-**	**4.4**	**(Z)**	**(Z)**
	South Carolina	**1.8**	**-**	**-**	**-**	**-**	**1.8**	**(D)**	**(D)**	**.7**	**.3**
14	Nonmetallic minerals, except fuels	1.8	-	-	-	-	1.8	-	(D)	.7	.3
	South Dakota	**1.9**	**-**	**-**	**-**	**-**	**1.9**	**(D)**	**(D)**	**.5**	**.5**
13	Oil and gas extraction	.5	-	-	-	-	.5	-	7.7	(Z)	.2
	Tennessee	**7.3**	**-**	**-**	**-**	**-**	**7.3**	**(D)**	**330.0**	**.5**	**2.4**
10	Metal mining	.9	-	-	-	-	.9	-	(D)	(Z)	.1
12	Bituminous coal and lignite mining	1.7	-	-	-	-	1.7	(D)	135.4	(Z)	.6
13	Oil and gas extraction	.6	-	-	-	-	.6	-	(D)	(Z)	.9
14	Nonmetallic minerals, except fuels	4.0	-	-	-	-	4.0	(D)	(D)	.5	.8
	Texas	**529.7**	**298.3**	**-**	**(D)**	**(D)**	**231.4**	**(D)**	**5 973.4**	**91.0**	**116.6**
10	Metal mining	1.2	-	-	-	-	1.2	-	(D)	(D)	(D)
12	Bituminous coal and lignite mining	3.8	-	-	-	-	3.8	-	(D)	-	(D)
13	Oil and gas extraction	489.7	298.3	-	(D)	(D)	191.4	-	5 120.9	64.1	111.5
14	Nonmetallic minerals, except fuels	34.9	-	-	-	-	34.9	(D)	313.0	(D)	3.8
	Utah	**25.1**	**8.8**	**(D)**	**-**	**(D)**	**16.3**	**14.7**	**614.7**	**3.9**	**8.1**
12	Bituminous coal and lignite mining	1.4	(D)	(D)	-	-	(D)	-	(D)	(Z)	.6
13	Oil and gas extraction	14.3	(D)	-	-	(D)	5.7	-	(D)	1.4	5.7
	Vermont	**.6**	**-**	**-**	**-**	**-**	**.6**	**-**	**55.5**	**-**	**(Z)**
14	Nonmetallic minerals, except fuels	.6	-	-	-	-	.6	-	55.0	-	(Z)
	Virginia	**11.3**	**(D)**	**(D)**	**-**	**-**	**(D)**	**23.9**	**770.0**	**(D)**	**3.5**
10	Metal mining	.1	-	-	-	-	.1	-	4.7	-	(Z)
12	Bituminous coal and lignite mining	8.2	(D)	(D)	-	-	(D)	(D)	550.7	(Z)	2.5
13	Oil and gas extraction	.2	-	-	-	-	.2	-	7.0	(Z)	.1
14	Nonmetallic minerals, except fuels	2.8	-	-	-	-	2.8	(D)	207.7	(D)	.9
	Washington	**5.2**	**-**	**-**	**-**	**-**	**5.2**	**(D)**	**62.1**	**(D)**	**.8**
13	Oil and gas extraction	.3	-	-	-	-	.3	-	3.6	(Z)	.3
14	Nonmetallic minerals, except fuels	1.0	-	-	-	-	1.0	-	(D)	(D)	.1
	West Virginia	**30.0**	**2.1**	**74.3**	**-**	**.2**	**27.8**	**(D)**	**1 532.2**	**2.9**	**14.3**
12	Bituminous coal and lignite mining	23.4	1.9	74.3	-	-	21.5	(D)	1 258.3	(D)	8.7
13	Oil and gas extraction	5.7	.2	-	-	.2	5.5	-	(D)	(D)	5.4
14	Nonmetallic minerals, except fuels	.8	-	-	-	-	.8	(D)	(D)	(D)	.2
	Wisconsin	**2.1**	**-**	**-**	**-**	**-**	**2.1**	**-**	**129.3**	**.4**	**1.1**
14	Nonmetallic minerals, except fuels	1.8	-	-	-	-	1.8	-	(D)	(D)	1.0
	Wyoming	**103.3**	**17.8**	**(D)**	**(D)**	**(D)**	**85.4**	**1 284.2**	**2 034.2**	**19.9**	**33.2**
10	Metal mining	4.2	-	-	-	-	4.2	-	220.8	(D)	1.0
12	Bituminous coal and lignite mining	9.1	(D)	(D)	-	-	(D)	.2	(D)	(D)	6.1
13	Oil and gas extraction	38.0	(D)	-	(D)	(D)	(D)	-	(D)	2.8	25.7
14	Nonmetallic minerals, except fuels	52.0	-	-	-	-	52.0	1 284.0	(D)	15.5	.5
	North and Mid-Atlantic Offshore / **South Atlantic Offshore**	**1.2**	**-**	**-**	**-**	**-**	**1.2**	**-**	**(D)**	**(Z)**	**(D)**
	Northern Gulf of Mexico Offshore	**18.3**	**8.4**	**-**	**-**	**8.2**	**9.9**	**-**	**291.2**	**7.4**	**(D)**
	Pacific Offshore	**3.8**	**(D)**	**-**	**-**	**(D)**	**(D)**	**-**	**61.8**	**(D)**	**(D)**

Note: Sum of two-digit groups for a State may not equal total, since statistics for some two-digit groups were withheld to avoid disclosing data for individual companies.

Table 6. Consumption and End-of-Year Stocks of Selected Purchased Fuels by Industry Group and Industry: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry group and industry	Purchased fuel oil				Purchased coal		Purchased gasoline	
		Distillate		Residual					
		Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 short tons)	Stocks (1,000 short tons)	Consumption (million gallons)	Stocks (million gallons)
	All mineral industries	**35 118.9**	**1 744.6**	**9 241.7**	**528.4**	**3 046.2**	**896.1**	**451.1**	**17.2**
10	**Metal mining**	**2 864.3**	**368.7**	**(D)**	**183.7**	**626.1**	**528.2**	**(D)**	**1.3**
1011	Iron ores	647.4	121.4	(D)	(D)	523.5	507.2	1.6	.1
1021	Copper ores	1 377.9	165.2	(D)	16.4	(D)	(D)	3.5	.5
1031	Lead and zinc ores	96.1	12.0	(D)	(D)	-	-	.2	(Z)
104	Gold and silver ores	299.0	30.1	(D)	1.0	8.6	(D)	1.6	.3
1041	Gold ores	240.1	25.9	-	-	(D)	(D)	1.2	.2
1044	Silver ores	58.9	4.2	(D)	(D)	(D)	(D)	.4	(Z)
1051	Bauxite and other aluminum ores	9.5	.7	(D)	(D)	-	-	(D)	(Z)
1061	Ferroalloy ores, except vanadium	52.0	12.6	(D)	(D)	(D)	(D)	.4	(Z)
1081	Metal mining services	47.1	3.3	4.6	.4	-	-	1.8	.1
109	Miscellaneous metal ores	335.1	23.4	(D)	14.0	(D)	(D)	2.2	.2
1094	Uranium-radium-vanadium ores	246.1	19.5	144.7	10.8	(D)	(D)	2.0	.2
1092, 1099	Mercury ores and metallic ores, n.e.c.	89.0	3.9	(D)	(D)	-	-	.2	(Z)
11	**Anthracite mining**	**184.8**	**14.2**	**(D)**	**(D)**	**.7**	**.1**	**.9**	**.1**
111	Anthracite mining	184.8	14.2	(D)	(D)	.7	.1	.9	.1
1111	Anthracite	183.6	14.1	(D)	(D)	.7	.1	.9	.1
1112	Anthracite mining services	1.3	.1	-	-	-	-	(Z)	(Z)
12	**Bituminous coal and lignite mining**	**11 212.6**	**564.8**	**1 513.0**	**53.8**	**170.1**	**(D)**	**62.4**	**3.1**
121	Bituminous coal and lignite mining	11 212.6	564.8	1 513.0	53.8	170.1	(D)	62.4	3.1
1211	Bituminous coal and lignite	10 794.2	553.9	1 438.4	51.0	(D)	4.4	56.5	2.6
1213	Bituminous coal and lignite mining services	418.3	10.8	74.6	2.8	(D)	(D)	5.9	.5
13	**Oil and gas extraction**	**(D)**	**(D)**	**(D)**	**(D)**	**-**	**-**	**343.5**	**9.6**
1311	Crude petroleum and natural gas	7 120.6	157.5	4 792.2	115.8	-	-	101.2	1.3
1321	Natural gas liquids	(D)	(D)	(D)	(D)	-	-	6.2	.5
138	Oil and gas field services	9 182.5	192.2	1 009.9	22.2	-	-	236.1	7.8
1381	Drilling oil and gas wells	6 382.3	131.7	601.7	12.0	-	-	53.2	1.7
1382	Oil and gas field exploration services	348.2	8.0	(D)	(D)	-	-	39.0	(D)
1389	Oil and gas field services, n.e.c.	2 452.0	52.5	(D)	3.9	-	-	143.9	(D)
14	**Nonmetallic minerals, except fuels**	**(D)**	**(D)**	**(D)**	**(D)**	**2 249.2**	**(D)**	**(D)**	**3.2**
1411	Dimension stone	21.3	3.1	(D)	.1	-	-	.2	(Z)
142	Crushed and broken stone, including riprap	2 306.4	179.0	97.7	(D)	(D)	(D)	14.6	1.6
1422	Crushed and broken limestone	1 675.3	131.4	83.5	5.2	30.4	2.9	11.4	1.2
1423	Crushed and broken granite	349.4	23.8	(D)	(D)	-	-	1.7	.2
1429	Crushed and broken stone, n.e.c.	281.7	23.8	(D)	.9	(D)	(D)	1.6	.2
144	Sand and gravel	988.9	83.6	169.4	13.2	21.6	.9	8.0	.8
1442	Construction sand and gravel	856.3	71.6	103.7	7.5	(Z)	(Z)	7.1	.7
1446	Industrial sand	132.6	12.1	65.7	5.7	21.6	.9	.9	.1
145	Clay, ceramic, and refractory minerals	414.3	98.7	108.4	23.0	238.6	14.0	(D)	.2
1452	Bentonite	(D)	(D)	(D)	(D)	(D)	(D)	.3	(Z)
1453	Fire clay	(D)	.5	(D)	(D)	(D)	(D)	(Z)	(Z)
1454	Fuller's earth	(D)	(D)	(D)	(D)	-	-	.6	(Z)
1455	Kaolin and ball clay	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1459	Clay, ceramic, and refractory minerals, n.e.c.	(D)	(D)	(D)	(D)	149.7	11.3	.4	(Z)
147	Chemical and fertilizer mineral mining	(D)	(D)	(D)	(D)	1 910.0	335.4	5.4	.4
1472	Barite	(D)	(D)	(D)	(D)	-	-	.9	.1
1473	Flourspar	(D)	(D)	-	-	-	-	(D)	(D)
1474	Potash, soda, and borate minerals	83.9	12.4	153.8	(D)	(D)	(D)	1.7	.1
1475	Phosphate rock	227.2	29.8	660.6	84.6	(D)	(D)	1.8	.1
1476	Rock salt	(D)	(D)	(D)	(D)	-	-	(D)	(D)
1477	Sulfur	(D)	(D)	(D)	(D)	-	-	(D)	(D)
1479	Chemical and fertilizer mineral mining, n.e.c.	(D)	(D)	(D)	(D)	-	-	(Z)	(D)
1481	Nonmetallic minerals services	89.5	7.8	6.1	.4	-	-	.9	.1
149	Miscellaneous nonmetallic minerals	282.2	21.0	(D)	(D)	(D)	(D)	1.6	.1
1492	Gypsum	17.6	1.7	(D)	-	-	-	.2	(Z)
1496	Talc, soapstone, and pyrophyllite	24.2	4.5	(D)	(D)	-	-	.1	(Z)
1499	Miscellaneous nonmetallic minerals, n.e.c.	240.5	14.8	145.0	9.1	(D)	(D)	1.2	.1

Table 7. Consumption and End-of-Year Stocks of Selected Purchased Fuels by Major Group for Selected States and Offshore Areas: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Purchased fuel oil				Purchased coal		Purchased gasoline	
		Distillate		Residual					
		Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 short tons)	Stocks (1,000 short tons)	Consumption (million gallons)	Stocks (million gallons)
	United States	**35 118.9**	**1 744.6**	**9 241.7**	**528.4**	**3 046.2**	**896.1**	**451.1**	**17.2**
	Alabama	**740.6**	**36.1**	**146.4**	**3.9**	**(D)**	**(D)**	**4.2**	**.2**
12	Bituminous coal and lignite mining	579.4	19.3	123.2	3.0	(D)	(D)	2.7	.1
13	Oil and gas extraction	108.8	11.4	7.2	.1	-	-	1.2	(Z)
14	Nonmetallic minerals, except fuels	52.3	5.4	16.0	.8	(D)	(D)	.4	.1
	Alaska	**576.7**	**57.8**	**(D)**	**(D)**	**(D)**	**(D)**	**10.0**	**.1**
10	Metal mining	42.4	10.4	-	-	(Z)	(Z)	.2	(Z)
13	Oil and gas extraction	523.0	46.9	(D)	(D)	-	-	9.6	.1
	Arizona	**815.8**	**87.2**	**313.9**	**22.3**	**(D)**	**(Z)**	**3.3**	**.3**
10	Metal mining	(D)	(D)	(D)	(D)	(D)	(Z)	2.4	.2
13	Oil and gas extraction	1.6	(Z)	-	-	-	-	.3	(Z)
	Arkansas	**114.3**	**5.1**	**7.0**	**.1**	**-**	**-**	**3.9**	**.1**
10	Metal mining	14.0	1.3	-	-	-	-	.1	(Z)
13	Oil and gas extraction	80.8	2.3	7.0	.1	-	-	3.6	.1
14	Nonmetallic minerals, except fuels	(D)	(D)	-	-	-	-	.2	(Z)
	California	**878.8**	**38.3**	**3 785.5**	**121.6**	**(D)**	**(D)**	**19.7**	**1.1**
13	Oil and gas extraction	548.6	14.6	3 524.0	100.6	-	-	17.4	.9
14	Nonmetallic minerals, except fuels	247.6	18.9	211.4	18.0	(D)	(D)	1.8	.2
	Colorado	**736.8**	**87.9**	**44.0**	**1.0**	**19.8**	**5.9**	**14.8**	**.8**
10	Metal mining	88.2	12.3	(D)	(D)	(D)	(D)	.9	.1
12	Bituminous coal and lignite mining	274.4	64.8	8.8	.2	-	-	1.2	.1
13	Oil and gas extraction	319.5	6.0	29.0	.3	-	-	11.5	.6
14	Nonmetallic minerals, except fuels	54.6	4.8	(D)	(D)	(D)	(D)	1.3	.1
	Connecticut	**35.4**	**4.1**	**-**	**-**	**-**	**-**	**.2**	**(Z)**
14	Nonmetallic minerals, except fuels	35.4	4.1	-	-	-	-	.2	(Z)
	Delaware and District of Columbia	**.2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Florida	**300.4**	**28.2**	**422.0**	**24.7**	**(D)**	**(D)**	**2.5**	**.2**
	Georgia	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**2.2**	**.2**
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	(D)	(D)	2.1	.2
	Hawaii	**(D)**	**(D)**	**-**	**-**	**-**	**-**	**(Z)**	**(Z)**
	Idaho	**106.8**	**6.1**	**6.5**	**.2**	**(D)**	**(D)**	**.6**	**(Z)**
10	Metal mining	(D)	(D)	(D)	(D)	(D)	(D)	.2	(Z)
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	(D)	(D)	.3	(Z)
	Illinois	**1 013.5**	**31.9**	**61.5**	**3.0**	**(D)**	**(D)**	**9.9**	**.8**
12	Bituminous coal and lignite mining	(D)	(D)	(D)	(D)	-	-	4.6	.3
13	Oil and gas extraction	(D)	(D)	(D)	(D)	-	-	4.3	.4
14	Nonmetallic minerals, except fuels	187.2	14.9	16.8	.7	(D)	(D)	1.1	.1
	Indiana	**792.1**	**31.7**	**9.1**	**.4**	**(D)**	**(D)**	**4.5**	**.2**
12	Bituminous coal and lignite mining	624.3	20.7	-	-	-	-	3.0	.1
13	Oil and gas extraction	36.0	.4	1.2	(Z)	-	-	.8	(Z)
14	Nonmetallic minerals, except fuels	131.8	10.6	7.8	.4	(D)	(D)	.7	.1
	Iowa	**168.3**	**11.3**	**.1**	**(Z)**	**-**	**-**	**.7**	**(Z)**
12	Bituminous coal and lignite mining	33.6	.9	-	-	-	-	.1	(Z)
14	Nonmetallic minerals, except fuels	134.6	10.4	-	-	-	-	.6	(Z)
	Kansas	**601.5**	**16.8**	**52.0**	**1.3**	**-**	**-**	**11.6**	**.4**
12	Bituminous coal and lignite mining	44.8	1.2	-	-	-	-	(Z)	(Z)
13	Oil and gas extraction	(D)	(D)	(D)	(D)	-	-	11.2	.3
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	-	-	.4	(Z)
	Kentucky	**2 245.4**	**97.2**	**212.6**	**10.3**	**11.6**	**.9**	**15.6**	**.7**
12	Bituminous coal and lignite mining	2 096.0	89.1	188.7	9.2	(D)	(D)	13.0	.5
13	Oil and gas extraction	36.7	.5	13.1	.4	-	-	1.8	.1
14	Nonmetallic minerals, except fuels	112.3	7.6	10.8	.8	(D)	(D)	.8	.1
	Louisiana	**4 701.7**	**105.1**	**624.3**	**19.3**	**(D)**	**(D)**	**51.8**	**1.4**
13	Oil and gas extraction	4 526.3	97.8	600.3	18.7	-	-	51.3	1.4

See footnotes at end of table.

Table 7. Consumption and End-of-Year Stocks of Selected Purchased Fuels by Major Group for Selected States and Offshore Areas: 1982—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Purchased fuel oil				Purchased coal		Purchased gasoline	
		Distillate		Residual					
		Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 short tons)	Stocks (1,000 short tons)	Consumption (million gallons)	Stocks (million gallons)
	Maine	(D)	(D)	-	-	-	-	(Z)	(Z)
14	Nonmetallic minerals, except fuels	(D)	(D)	-	-	-	-	(Z)	(Z)
	Maryland	(D)	(D)	(D)	(D)	-	-	(D)	(D)
12	Bituminous coal and lignite mining	(D)	(D)	(D)	(D)	-	-	(D)	(D)
14	Nonmetallic minerals, except fuels	83.1	7.5	-	-	-	-	(D)	(Z)
	Massachusetts	16.4	1.0	14.2	.7	-	-	.1	(Z)
14	Nonmetallic minerals, except fuels	16.4	1.0	14.2	.7	-	-	.1	(Z)
	Michigan	400.3	54.3	17.0	1.1	(D)	(D)	3.6	.3
13	Oil and gas extraction	136.0	1.7	.3	(Z)	-	-	2.7	.2
	Minnesota	450.7	79.2	(D)	(D)	391.2	411.4	1.4	.1
10	Metal mining	416.3	77.7	(D)	(D)	391.2	411.4	1.1	.1
14	Nonmetallic minerals, except fuels	34.2	1.4	(D)	(D)	-	-	.2	(Z)
	Mississippi	308.0	6.0	30.5	10.8	-	-	5.4	.2
13	Oil and gas extraction	(D)	(D)	(D)	(D)	-	-	(D)	(D)
	Missouri	360.2	19.1	175.9	8.8	(D)	(D)	2.9	.2
10	Metal mining	(D)	(D)	(D)	(D)	-	-	.3	(Z)
12	Bituminous coal and lignite mining	(D)	(D)	(D)	(D)	-	-	(D)	(Z)
13	Oil and gas extraction	(D)	(D)	(D)	-	-	-	(D)	(Z)
14	Nonmetallic minerals, except fuels	146.1	8.8	49.8	1.9	(D)	(D)	1.5	.1
	Montana	342.7	13.2	137.1	8.2	(D)	(D)	4.7	.1
10	Metal mining	(D)	(D)	.1	(Z)	-	-	.3	(Z)
12	Bituminous coal and lignite mining	79.1	3.0	(D)	(D)	-	-	(D)	(Z)
13	Oil and gas extraction	(D)	(D)	(D)	(Z)	-	-	3.4	.1
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)
	Nebraska	76.2	6.2	20.4	.2	-	-	1.0	(Z)
13	Oil and gas extraction	(D)	(D)	(D)	(D)	-	-	.7	(Z)
	Nevada	320.4	21.1	47.9	11.0	12.5	4.4	2.9	.3
10	Metal mining	213.9	16.3	1.1	.1	(D)	(D)	1.5	.2
13	Oil and gas extraction	28.9	.3	(Z)	-	-	-	1.0	(Z)
14	Nonmetallic minerals, except fuels	77.6	4.5	46.7	10.9	(D)	(D)	.4	(Z)
	New Hampshire	12.1	1.5	-	-	-	-	.1	(Z)
14	Nonmetallic minerals, except fuels	11.5	1.5	-	-	-	-	(Z)	(Z)
	New Jersey	106.7	7.6	14.8	1.4	-	-	.6	(Z)
13	Oil and gas extraction	(D)	(D)	-	-	-	-	.2	(Z)
14	Nonmetallic minerals, except fuels	95.8	7.0	14.8	1.4	-	-	.4	(Z)
	New Mexico	772.2	35.1	74.4	2.1	-	-	12.8	.4
10	Metal mining	185.9	20.8	(D)	(D)	-	-	.9	.1
12	Bituminous coal and lignite mining	199.0	6.6	-	-	-	-	(D)	(D)
13	Oil and gas extraction	364.0	5.3	37.0	1.1	-	-	10.6	.2
14	Nonmetallic minerals, except fuels	23.2	2.3	(D)	(D)	-	-	(D)	(D)
	New York	(D)	(D)	(D)	(D)	6.4	4.8	2.0	.2
13	Oil and gas extraction	(D)	(D)	-	-	-	-	.9	(Z)
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	(D)	(D)	1.0	.2
	North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	1.1	.1
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	(D)	(D)	1.0	.1
	North Dakota	493.0	28.3	75.1	.3	(D)	(D)	5.5	.2
12	Bituminous coal and lignite mining	160.6	20.2	(D)	(D)	-	-	(D)	(D)
13	Oil and gas extraction	(D)	(D)	(D)	(D)	-	-	(D)	(D)
	Ohio	1 475.4	53.6	73.5	1.7	2.8	.5	13.7	.8
12	Bituminous coal and lignite mining	1 062.4	33.3	57.2	.8	(D)	(D)	5.5	.3
13	Oil and gas extraction	259.1	8.2	10.1	.2	-	-	6.5	.3
14	Nonmetallic minerals, except fuels	153.6	12.0	6.1	.7	(D)	(D)	1.7	.2
	Oklahoma	2 167.8	44.9	578.4	4.2	-	-	40.5	1.3
12	Bituminous coal and lignite mining	110.5	4.4	(D)	(D)	-	-	1.1	.1
13	Oil and gas extraction	1 934.8	28.8	543.6	2.3	-	-	38.6	1.1
14	Nonmetallic minerals, except fuels	122.5	11.7	(D)	(D)	-	-	.8	.2

See footnotes at end of table.

Table 7. Consumption and End-of-Year Stocks of Selected Purchased Fuels by Major Group for Selected States and Offshore Areas: 1982—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Geographic area and major group	Purchased fuel oil				Purchased coal		Purchased gasoline	
		Distillate		Residual					
		Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 barrels)	Stocks (1,000 barrels)	Consumption (1,000 short tons)	Stocks (1,000 short tons)	Consumption (million gallons)	Stocks (million gallons)
	Oregon	(D)	(D)	(D)	(D)	-	-	.5	(Z)
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	-	-	.4	(Z)
	Pennsylvania	2 529.9	141.2	304.6	9.5	5.8	.5	13.0	.7
10	Metal mining	11.0	.9	(D)	(D)	-	-	(Z)	(Z)
11	Anthracite mining	184.8	14.2	(D)	(D)	.7	.1	.9	.1
12	Bituminous coal and lignite mining	1 991.0	105.3	287.5	8.5	(D)	(D)	7.4	.3
13	Oil and gas extraction	130.8	4.2	(D)	(Z)	-	-	3.3	.1
14	Nonmetallic minerals, except fuels	212.2	16.5	10.2	.5	(D)	(D)	1.4	.1
	Rhode Island	4.4	.4	-	-	-	-	(Z)	-
14	Nonmetallic minerals, except fuels	3.9	.4	-	-	-	-	(Z)	-
	South Carolina	84.7	6.4	(D)	(D)	(D)	(D)	.3	(Z)
14	Nonmetallic minerals, except fuels	84.7	6.4	(D)	(D)	-	-	.3	(Z)
	South Dakota	44.8	1.1	(D)	(D)	(D)	(D)	.5	(Z)
10	Metal mining	.7	.1	-	-	-	-	.1	(Z)
13	Oil and gas extraction	7.7	.1	(Z)	-	-	-	.2	(Z)
	Tennessee	279.1	18.0	51.0	3.0	(D)	(D)	2.4	.1
10	Metal mining	31.4	2.7	(D)	(D)	-	-	.1	(Z)
12	Bituminous coal and lignite mining	89.7	2.9	45.7	2.7	(D)	(D)	.6	(Z)
13	Oil and gas extraction	16.4	.3	(D)	(Z)	-	-	.9	(Z)
14	Nonmetallic minerals, except fuels	141.5	12.1	(D)	(D)	(D)	(D)	.8	.1
	Texas	5 216.2	106.9	757.2	12.6	(D)	(D)	116.6	3.4
10	Metal mining	(D)	(D)	(D)	(D)	-	-	(D)	(D)
12	Bituminous coal and lignite mining	(D)	(D)	(D)	(D)	-	-	(D)	(D)
13	Oil and gas extraction	4 460.3	61.7	660.6	9.8	-	-	111.5	2.9
14	Nonmetallic minerals, except fuels	302.5	28.4	10.5	.9	(D)	(D)	3.8	.3
	Utah	573.6	62.7	41.1	1.3	14.7	1.3	8.1	.4
12	Bituminous coal and lignite mining	27.1	2.0	(D)	(D)	-	-	.6	.1
13	Oil and gas extraction	136.6	2.7	(D)	(D)	-	-	5.7	.1
	Vermont	(D)	(D)	(D)	(D)	-	-	(Z)	(Z)
14	Nonmetallic minerals, except fuels	(D)	(D)	(D)	(D)	-	-	(Z)	(Z)
	Virginia	656.6	34.4	113.4	4.7	23.9	1.8	3.5	.2
12	Bituminous coal and lignite mining	449.5	17.5	101.2	3.3	(D)	(D)	2.5	.1
14	Nonmetallic minerals, except fuels	195.5	16.3	12.3	1.3	(D)	(D)	.9	.1
	Washington	(D)	(D)	(D)	(D)	(D)	(D)	.8	.1
13	Oil and gas extraction	3.6	.1	-	-	-	-	.3	(Z)
14	Nonmetallic minerals, except fuels	34.3	2.2	(D)	(D)	-	-	.1	(Z)
	West Virginia	1 412.1	75.4	120.0	4.4	(D)	(D)	14.3	.5
12	Bituminous coal and lignite mining	1 144.1	68.1	114.3	4.0	(D)	(D)	8.7	.4
13	Oil and gas extraction	220.7	3.3	(D)	(D)	-	-	5.4	.1
14	Nonmetallic minerals, except fuels	45.0	3.7	(D)	(D)	(D)	(D)	.2	(Z)
	Wisconsin	(D)	(D)	(D)	(D)	-	-	1.1	.1
14	Nonmetallic minerals, except fuels	117.4	8.5	(D)	(D)	-	-	1.0	.1
	Wyoming	1 850.9	101.1	383.3	18.7	1 284.2	119.1	33.2	.7
10	Metal mining	157.8	13.1	63.0	8.8	-	-	1.0	.1
12	Bituminous coal and lignite mining	907.3	66.8	(D)	(D)	.2	(Z)	6.1	.3
13	Oil and gas extraction	533.7	9.6	(D)	(D)	-	-	25.7	.3
14	Nonmetallic minerals, except fuels	52.1	11.7	(D)	(D)	1 284.0	119.1	.5	.1
	North and Mid-Atlantic Offshore / **South Atlantic Offshore**	(D)	(D)	-	-	-	-	(D)	-
	Northern Gulf of Mexico Offshore	(D)	(D)	(D)	(Z)	-	-	(D)	(D)
	Pacific Offshore	(D)	(D)	(D)	(Z)	-	-	(D)	(Z)

Note: Sum of two-digit groups for a State may not equal total, since statistics for some two-digit groups were withheld to avoid disclosing data for individual companies.

APPENDIX
Explanation of Terms

NATURAL GAS

Natural gas includes manufactured gas and mixed gas.

FUEL OIL

Residual fuel oil—Includes grades 5 and 6 fuel oils, heavy diesel-type fuel oil, bunker "C" fuel oils, heavy gas-enrichment oil, etc. Quantities are published in barrels (42 gallons).

Distillate fuel oil—Includes grades 1, 2, and 4 fuel oils, light diesel-type fuel oil, light gas-enrichment oil, etc. Quantities are published in barrels (42 gallons).

COAL

Coal includes bituminous coal, lignite and anthracite. Quantities are published in 1,000 short tons.

GASOLINE

Gasoline used in automotive equipment as well as other equipment is included.

OTHER FUELS

Other fuels consists mainly of coke, liquefied petroleum gases, wood, and other minor fuels.

UNDISTRIBUTED FUELS

Some establishments reported total cost of fuels but failed to report the cost and quantity of specific fuels used. Estimates of their total cost of fuels are included in the tables under undistributed fuels. Estimates for establishments not mailed a report form are also included in undistributed fuels. To the extent that information on detailed fuels consumed was not given, data shown for individual fuels in this report tend to be understated.

PRODUCED AND CONSUMED FUELS

Fuels produced and consumed at the same establishment for heat or power include coal, crude petroleum, and natural gas.

END-OF-YEAR-FUEL STOCKS

Figures for stocks of purchased fuels on hand at the end of the year were reported for the first time in 1982. The fuel stocks figure represents the total quantity of unexpended fuel establishments had on hand, including emergency reserves at the end of the year. Excluded are fuels to be used as feedstocks or raw materials.

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415

Subject	Tabular Detail	Areas to Which Data Apply	Frequency	Sources (See Bibliography, pp. (457-469))
LABOR AND EMPLOYMENT				
Labor Force Status				
Averages	Annual averages, 1973 to 1976 Civilian labor force Unemployment Rate	150 major labor areas	Annual	**298A.** *Employment and Training Report of the President, 1978*, tables D-6 to D-8, Employment and Training Administration
	Quarterly averages, 1977, 1978 Civilian labor force Unemployment Rate	Selected major labor areas	Quarterly	**298.** *Area Trends in Employment and Unemployment*, fourth quarter, 1978, pp. 28 to 53, Employment and Training Administration
Estimates	Estimates Annual averages Civilian labor force Unemployment Number, percent of civilian labor force	204 large labor market areas	Annual	**285A.** *Geographic Profile of Employment and Unemployment, 1976*, Report 504, table 2, Bureau of Labor Statistics
	Estimates Monthly averages Labor force Employment Unemployment Rate	SMSA's, labor market areas, cities of 25,000 or more	Monthly	**293A.** *State, County, and Selected Cities, Employment and Unemployment*, January-September 1978, unnumbered table, Bureau of Labor Statistics
By race and sex	Persons 16 and older By sex Total, Black, White Worked or looked for work worked Number, percent	Selected SMSA's	One time	**297D.** *Work Experience and Earnings in 1975 by State and Area*, Report 536, table 2, Bureau of Labor Statistics

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PUBLICATION PROGRAM

1982 CENSUS OF MINERAL INDUSTRIES

Publications of the 1982 Census of Mineral Industries, containing data on establishments primarily engaged in the extraction of minerals, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 12 industry and 2 summary reports covering all of the 42 mineral industries. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—12 reports (MIC82-I-10A to -14E)

Each of the 12 reports provides information for an industry or a group of related industries (e.g., clay, ceramic, and refractory minerals). Final figures for the United States are shown for each of 42 mineral industries on quantity and value of products shipped and supplies used; inventories; quantity and cost of fuels and electric energy purchased, quantity of fuel stocks, and the quantities of fuels produced and consumed; capital expenditures; assets; rents; employment; depreciation, amortization and depletion; payrolls; hours worked; cost of purchased machinery; value added by mining; mineral development and exploration costs; number of establishments; and number of companies. Comparative statistics for earlier years are included. Industry statistics are shown by State, type of operation, and size of establishment.

Geographic area series—9 reports (MIC82-A-1 to -9)

A separate report for each of the nine geographic divisions presents statistics for individual States for two- and three-digit industry groups by type of operation and by county. Also, data are shown for value of shipments, value added by mining, employment, payroll, hours worked, capital expenditures, cost of supplies, etc., purchased machinery installed, and number of mining establishments, with comparative 1977 data on employment and value added by mining.

Subject series—4 reports (MIC82-S-1 to -4)

Each of the 4 reports contains detailed statistics for an individual subject, such as water use in mineral industries; gross value of depreciable assets, capital expenditures, retirements, depreciation and rental payments; fuels and electric energy consumed; and a general National-level summary.

Microfiche

All published data are also available on microfiche.

Availability of Public Use Computer Tapes

Public-use computer tapes for the census of mineral industries are not included as part of the economic census publication program. Special tabulations can be made available on computer tape on a contract, cost-reimbursable basis. Contact Industry Division, Bureau of the Census, Washington, D.C. 20233 for more information.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, construction industries, manufactures, enterprise statistics, minority-owned businesses, women-owned businesses, and transportation also are issued as part of the 1982 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche are sold by the Superintendent of Documents, U.S. Government Printing Office. Appropriate announcements and order forms describing these products are available free of charge from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

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